

Spengler

2023



GUIDE 2023

Hello ladies and gentlemen,

Spengler's whole team is pleased to present the new SPENGLER 2023 guide.

This year, our guide focuses on our core business, CARDIOLOGY, which we offer through our new products, in particular with our ECG *Cardiomate* range. And we are particularly proud to point out that when SPENGLER started out, it was made up of great men, illustrious actors in the field of cardiology!

Of course, we are still continuing in our mission to help healthcare professionals in medical diagnosis aid with an evolving and adapted offer that we propose them through you as their intermediary.

Close to our peers as a member of the SNITEM (Syndicat National de l'Industrie et des Technologies Médicales), we participate in the evolution of the industry enabling us to meet your needs and those of healthcare professionals.

In this guide, for which we have retained our well-known format this year, you will find our quick-reference charts at the top of each chapter, which give you an immediate overview of our ranges and of their recommended "user" positioning.

Innovator, as we always try to be, we are continuing our transformation in the digital world by offering you more and more content in the form of flash codes, product presentation videos, tutorials, sound content and, above all, more and more dynamic activity on the social media (Instagram, LinkedIn, Facebook and YouTube), where we invite you to find us.

Finally the whole team and I would like to express our gratitude for the confidence that you put in us on a daily basis, and which enables us to be a key player in this industry in the assistance of healthcare professionals and in the care of their patients.

Joel Malabat,
SPENGLER President



SINCE 1907



PROUD OF OUR COLORS!

SPENGLER, SINCE 1907

SPENGLER is an adventure which started at the beginning of the 20th century. At that time Emile Spengler the founder, a renowned industrialist, whose premises were in Rue de l'Odéon in Paris, was passionate about medicine and spent a lot of time with well-known cardiologists who like him were particularly interested in the technology for improving medical diagnosis.

In 1907, the pioneering spirits of Emile Spengler and professors of cardiology Henri Vaquez and Charles Laubry invented an oscillometric sphygmomanometer which was a small revolution in high blood pressure diagnosis in France.

It was a little later, that Professor Camille Lian, still with the visionary Emile Spengler, invented the nephrometric chromoscope, precursor of the blood glucose monitor.

Today over 115 years later, Spengler remains one of the leading names in blood pressure measurement, and more broadly in cardiology in relation to diagnosis aids.

SPENGLER aims to be at the cutting edge of technological innovation and to be the French reference in terms of the quality and precision of its diagnosis aid instruments, without neglecting their design. SPENGLER is continuing its progress and maintains its policy of reindustrialisation, in order to offer made in France innovations in the future.



Emile Spengler tests the new sphygmomanometer by taking Charles Laubry's blood pressure

QUALITY IS AT THE HEART OF THE DEMANDING SPENGLER APPROACH

Certified to EN ISO 13485, SPENGLER is committed to an everyday quality management approach. This approach covers every aspect of our business.

Prior to the implementation of the new European Regulation (EU) 2017/745 on medical devices, we had already started an in-depth evolution in our organisation to be fully compliant with the demands of this new regulation.

A REVOLUTION IN OUR LOGISTICS THANKS TO NEW IT TOOLS

Looking to continually improve logistics, SPENGLER has invested in new IT and logistics tools that especially ensure the traceability of the unique device identifier (UDI).

UPDATING ALL OF OUR MEDICAL DEVICE PACKAGING

To make all of our medical devices compliant, we have updated our packaging, labels, instructions for use and other product related documentation.

IMPROVING USERS FEEDBACK ON OUR MEDICAL DEVICES

The www.spengler.fr website is inaugurating a "*Register your device*" tab on the homepage.

This way we can exchange with users and collect their usage, habits and their perception of our medical devices.

R&D AT SPENGLER

In the framework of its growth and its aim to reindustrialise and to promote products that have been "Made in France", SPENGLER has totally reinternalised its R&D, to ensure the development, the extension and the renewal of its ranges of products.

Public health and environmental impact issues are now at the forefront of society's concerns. They are issues that our R&D department take into account for the development of its medical equipment, such as eco-design and reparability.

The R&D department includes in its roadmap the following areas:

INNOVATION:

- Simplification of the modes of usage of medical equipment, especially for home users.
- The improvement of user comfort.
- The consideration of human factors and user comfort, right from the design stage.

TECHNOLOGY WATCH :

- Research in the emergence and the combination of new technologies.
- State-of-the art watch.

DIAGNOSIS & MEASUREMENT



ELECTROCARDIOGRAPHS

P. 12



ELECTRONIC BLOOD PRESSURE

P. 21



ANEROID SPHYGMOMANOMETERS

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STETHOSCOPES

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ENT

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OXIMETERS

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ELECTRONIC BLOOD PRESSURE

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STETHOSCOPES

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ENT & OXIMETERS

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SPENGLER AND CARDIOLOGY, A LONG AND ILLUSTRIOUS HISTORY!

From the beginning, SPENGLER showed its strong links with cardiology.

Emile Spengler, by joining forces with these great names in the field of cardiology Henri Vaquez, Charles Laubry and Camille Lian and by developing the first French blood pressure meter, then the nephrotic chromoscope (precursor of the blood glucose monitor), showed his considerable interest in cardiology and his desire to integrate it into the DNA of his company.

More than 115 years later, SPENGLER, a leading player in High Blood Pressure, continuing its mission in cardiological diagnosis, launched its ECG *Cardiomate*[®] range a few years ago, and last year added an ECG PC. It is no surprise that it is following that up this year by offering its completely new innovation: the ECG *Cardiomate*[®] EVI tablet, a veritable technological marvel and a small revolution in the autonomous performance of the ECG and its display.

Camille Lian : (Jan, 4th 1882 - April, 8th 1969)

French doctor specialized in cardiovascular diseases.

- First physician to describe and diagnose myocardial infarction, previously infarction was only detected at autopsy.
- Member of the National Academy of Medicine and numerous national and foreign learned societies.
- President of the French Society of Cardiology from 1947 to 1950.

Charles Laubry (Nov, 11th 1872 - Aug, 11th 1960)

Charles Laubry is a French cardiologist who had a decisive role in the development of instrumental exploration methods in the hospital such as sphygmomanometry, cardiac radiology and electrocardiography.

In 1936, he founded the French Society of Cardiology of which he was the first president.



RESTING ECG

Cardiomate 3



*Small size,
High power*

- Great accuracy; sampling rate : 32,000Hz
- Thermal printer
- Automatic interpretations
- PC connectable via USB
- Number of channels on-screen: 12
- Prints up to 3 channels
- Compact size with carry handle

Cardiomate 6



*Small size,
High power
with 6 channels*

- Great accuracy; sampling rate : 32,000Hz
- Thermal printer
- Automatic interpretations
- PC connectable via USB
- Number of channels on-screen: 12
- Prints up to 6 channels
- Compact size with carry handle

Cardiomate 12



*Super powerful
for Pros*

- Great accuracy; sampling rate : 32,000Hz
- Thermal printer
- Automatic interpretations
- PC connectable via USB
- Number of channels on-screen: 12
- Prints up to 12 channels
- Carry handle

SPECIFICATIONS

USERS

WORKPLACE MEDICINE / HOSPITALS
GENERAL PRACTITIONERS

CARDIOLOGISTS

[2023
NEW!]

Cardiomate PC



*ECG checking
from your screen*

- Great accuracy; sampling rate : 32,000Hz
- PC connectable via USB
- Number of channels on-screen: 12
- Lightweight and compact

Cardiomate PC Bluetooth



*Wireless ECG checking
from your screen*

- Great accuracy; sampling rate : 32,000Hz
- PC connectable via USB & bluetooth
- Number of channels on-screen: 12
- Lightweight and compact

Cardiomate EVI 7" & 10"



*When technology
serves autonomy!*

- Great accuracy; sampling rate : 32,000Hz
- Thermal printer (on base for 10" only) or connectable to printer via WIFI network
- Number of channels on-screen: 12
- Full autonomy with 2 sizes: 7 and 10" (the 10" can be placed on a recorder base)

CARDIOLOGISTS

WORKPLACE MEDECINE / HOSPITALS
GENERAL PRACTITIONERS

Cardiomate® RANGE

ECGs 3, 6 AND 12 CHANNELS

*Precise and intuitive to use, SPENGLER **Cardiomate** 3, 6 and 12 ECGs are trusty companions designed for professional use at the practice or away from it.*

With a 32,000 Hz sampling rate, they record all of the heart's electrical activity with rare accuracy, delivering highly accurate analyses. Easily connectable to a PC, they are really handy to use every day.

GUARANTEE
2 YEARS



*Electrocardiograph
3 channels*
Ref. 260 003



*Electrocardiograph
6 channels*
Ref. 260 006



*Electrocardiograph
12 channels*
Ref. 260 012

CE
0123
Class IIa

FORMIDABLE ACCURACY

- With a 32,000 Hz sampling rate, electrical activity is recorded down to the slightest details
- Enhanced processing power for an optimum analysis
- The 12 derivations are simultaneously displayed on-screen
- Pacemaker detection

ACCESSIBLE DATA:

- Large internal memory
- ECGs can be transferred and read on a PC via a USB connection
- Optional PC ECG software for controlling the unit from a PC
- Thermal printer

INTUITIVE, EFFECTIVE AND MOBILE:

- Fast and intuitive to use
- Automatic interpretation and interval calculations
- Carry handle
- Long life battery: 1000 ecg

DISCOVER OUR VIDEOS AND TUTORIALS



Cardiomate range presentation suitable for all healthcare professionals.



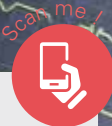
Cardiomate ECG start-up.



Connect to PC and printer.



Set up PDF export.



Cardiomate[®] PC ECG

Available in two models, with USB or Bluetooth connection, SPENGLER PC ECGs offer the same high performance as conventional ECGs. With a 32,000 Hz sampling rate and ultra high performance software, our PC ECGs will perfectly meet the requirements of even the most demanding or those seeking ease of use.



Cardiomate PC ECG
Ref. 260 039



Cardiomate PC ECG Bluetooth
Ref. 260 040



FORMIDABLE ACCURACY

- With a 32,000 Hz sampling rate, electrical activity is recorded down to the slightest details
- Enhanced processing power for an optimum analysis
- The 12 derivations are simultaneously displayed on-screen
- Pacemaker detection

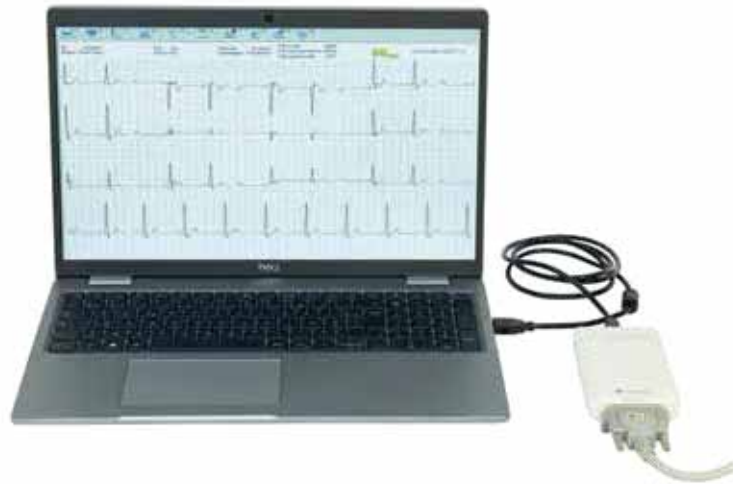
CONNECTED

- Via USB or Bluetooth, control your ECG remotely and instantly see the electrical activity of your patient's heart.

COMPACT, LIGHTWEIGHT AND STANDALONE

- Very lightweight 130 grams
- Two AAA batteries

PC ECG SOFTWARE



THE SOFTWARE IS AVAILABLE:

- Automatically with PC ECG USB and Bluetooth systems
- Optionally for *Cardiomate*[®] 3, 6 and 12 channel ECGs
- Available for Android (phone or tablet) on the Bluetooth version

HANDY AND EASY TO USE

- View 12 ECG derivations on-screen in real-time
- Start and stop the examination from your computer
- Automatic interpretation and interval calculations

- Customise examination duration
- Alarm warning of unstable or disconnected derivations
- Customised reports with pathology database
- Digital ECG rules built-into the software

SAVE, PRINT AND EXPORT

- Exportable in numerous formats: PDF, JPEG, BMP, FDAXML
- Saves data recorded in the patient's name
- Patient database for comparing current and former ECGs
- Print out your reports on your office printer

ECG TABLET EVI

*Spengler expands its range and provides you its latest innovation: the **Cardiomate®** EVI tablet, a high-tech instrument, totally autonomous available in 2 sizes: 7" or 10".*

GUARANTEE
3 YEARS



Cardiomate EVI 7"
Réf. 260 050



Cardiomate EVI 10" with base
Réf. 260 051

CE
0123
Classe IIa

AN EXTRAORDINARY EASE OF USE

- High resolution color touch screen (7" or 10")
- Portable : compact size and light weight, easy to carry on (7": 0.8kg / 197x112.4x26.1mm – 10": 1.2kg / 272.6x181.2x25.8mm)
- Directly print the ECG on a wifi printer or on the recorder base

A PARTICULARLY POWERFUL TECHNOLOGY

- High accuracy: sampling rate of 32000Hz
- Support automatic pacing detection and marking
- Automatic interpretation and interval calculations

- Input patient information via virtual alphanumeric keyboard and barcode scanning
- 9/12 leads synchronous acquisition and display (15/18 leads optional with another tablet)

A REAL SELF-SUFFICIENT STAND ALONE

- 12 channels graph and interpretation both legible together on screen with no need to print
- Allows additional comments thanks to the keyboard
- Large built-in battery capacity (12h), rechargeable on mains or on the recorder base

CARDIOLOGY RANGE ACCESSORIES

ACCESSORIES FOR CARDIOMATE AND PC ECG

ACCESSORIES

ECG patient cable for Cardiomate	260 020
WiFi antenna	260 013
USB AVERS USB C Cable	260 032
Limb clamps for ECG Cardiomate electrodes - 4 pack	260 070
Pediatric limb clamps for ECG Cardiomate electrodes - 4 pack	260 071
Suction chest for ECG electrodes - 6 pack	260 072
Pediatric suction chest for ECG electrodes - 6 pack	260 073

PC ECG SOFTWARE

PC ECG Software	260 038
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PAPER ROLLS

Roll of paper 80mm x 20m for ECG Cardiomate 3	260 024
Roll of paper 110mm x 20m for ECG Cardiomate 6	260 025
Roll of paper 210mm x 20m for ECG Cardiomate 12	260 026

ACCESSORIES FOR CARDIOMATE EVI 7" & 10"

ACCESSORIES

ECG patient cable for CARDIOMATE EVI 7 & 10"	260 060
Limb clamps for ECG Cardiomate electrodes - 4 pack	260 070
Pediatric limb clamps for ECG Cardiomate electrodes - 4 pack	260 071
Suction chest for ECG electrodes - 6 pack	260 072
Pediatric suction chest for ECG electrodes - 6 pack	260 073

PAPER ROLLS

Roll of paper for CARDIOMATE EVI 10" (20m x 216mm)	260 061
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BATTERY

5000mAh Replacement battery for CARDIOMATE EVI 7 & 10"	260 062
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GUARANTEE
2 YEARS



DOPPLER

Small and light this pocket doppler is an essential tool for medical practices and small communities.



DESIGNATION	REF.
Foetal doppler (without probe)	743 301
Probe for foetal doppler / 2MHz	743 310
Probe for vascular and SPI / 5 MHz	743 311
Cardiac probe for vascular doppler / 8 Mhz	743 312

VERSATILITY

- One probe per use
 - Foetal examination
 - Vascular examination and SPI
 - Cardiac examination
- Cardiac frequency indicator

EASE OF USE

- Large colour LCD screen
- Battery gauge
- Power indicator of wave
- Ergonomic angled probes

DIAGNOSIS & MEASUREMENT

ELECTRONIC BLOOD PRESSURE



AUTOTENSIO Wrist



*SPENGLER quality everywhere,
for everyone*

- Universal 13.5 - 21.5 cm wrist strap
- WHO indicator
- 120 memories with date and time
- Storage box that assists with properly positioning the arm
- SUIVI HTA compatible

TENSONIC Wrist



*For self-measurement and a
professional diagnosis*

- Universal 13.5 - 21.5 cm wrist strap
- WHO indicator
- 2 users 2x60 memories with date and time
- Storage box that assists with properly positioning the arm
- Large backlit display
- Arrhythmia detector
- SUIVI HTA compatible

SPECIFICATIONS

AVAILABLE CUFFS

PATIENTS

HEALTHCARE PROFESSIONALS

USERS

GENERAL PUBLIC



← NURSES →

← HOSPITALS →

← FOR OCCASIONAL USE OR HIGH BLOOD PRESSURE SCREENING →

← MONITORING HIGH BLOOD PRESSURE →

KEY:



Adult



Child > 12

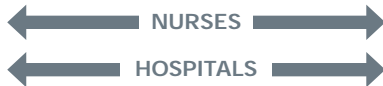
AUTOTENSIO Upper-arm



*SPENGLER accuracy
at home*

- Universal M/L 22-42cm size cuff
- WHO indicator
- Average of last 3 measurements
- Arrhythmia detector
- 2 users 2x60 memories with date and time
- SUIVI HTA compatible

XL / ML / S



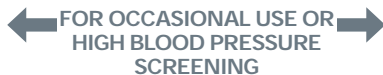
TENSONIC Upper-arm



*The first line of defence against
high blood pressure*

- Clinical validation by ESH
- Universal M/L 22-42cm size cuff
- WHO indicator
- Average of last 3 measurements
- Arrhythmia detector
- 2 users 2x60 memories with date and time
- Large backlit display
- SUIVI HTA compatible

XL / ML / S



SPENGLER AND THE FONDATION DE RECHERCHE POUR L'HYPERTENSION ARTÉRIELLE FRHTA (HIGH BLOOD PRESSURE RESEARCH FOUNDATION)

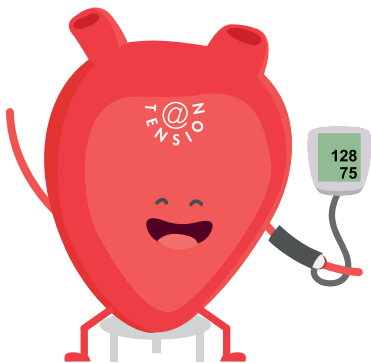


SPENGLER aims to be very close to scholarly societies and in particular to the Fondation de Recherche pour L'Hypertension Artérielle FRHTA of which it is a partner.

The FRHTA's mission is to organise research on High Blood Pressure and associated illnesses in France. It assists the research teams in the treatment of High Blood Pressure.

The FRHTA also helps people who are treated for High Blood Pressure by providing information and making available to the general public the e-health or other tools enabling the diagnosis and monitoring of those suffering with High Blood Pressure.

High Blood Pressure is the main chronic illness, with very few of symptoms, which can cause serious neurological and cardiological illnesses and severe disability. In France, 10 million people are treated for High Blood Pressure, but we know that 5 million French people do not know that they suffer from it!



The FRHTA has invented 2 tools:

- A blood pressure self-test which allows blood pressure measurement according to good practices and the provision of personalised advice.

To be downloaded: FLYER_SELF-TEST_08-12-2022.pdf file (frhta.org)

- An explanation of the self-test over 3 days, recommended by the French Nation Authority for Health and Health Insurance.

*Can be found in the application **suivi**^{HTA}, to be downloaded:*

SuiviHTA: suivre sa tension - Fondation HTA (frhta.org)

This application **suivi**^{HTA} is an excellent tool which has several benefits for patients:

- They measure their own blood pressure.
- They receive appropriate advice after having measured their blood pressure.
- They obtain an analysis and a report on their blood pressure.
- Their blood pressure data history is recorded.

Spengler, who is a partner of the FRHTA, is pleased to be able to say that **all its electronic blood pressure meters are compatible with **suivi**^{HTA} !**



GUARANTEE
3 YEARS

[22-42 CM
CUFF]



TENSONIC® UPPER-ARM

*Perfect for monitoring hypertension due to its reliability
and its ease of use.*

DESIGNATION	REF.
Tensonic® upper-arm blood pressure monitor - blueberry	527 500
Display of 6 Tensonic® upper-arm blood pressure monitors - blueberry	527 500P
Power adaptor	527 184
Cuff M/L Blue (22-42 cm)	527 466
Cuff S Grey (16-24 cm)	527 462
Cuff XL Grey (32-48 cm)	527 465

VERY HIGH PRECISION MEASUREMENTS

- SPENGLER measurements
- Arrhythmia detector
- Tricolour WHO indicator
- 3 calculations of averages available allowing the monitoring of average of morning values

EASY TO USE

- Entirely automatic
- Large backlit screen
- Cuff 22-42 cm size M/L

FAMILY USE

- 2 x 60 memories with date and time

FURTHER INFORMATION

- Supplied with 4 LR6 AA batteries and a storage bag
- Optional power adaptor
- 2 sizes of cuff (S, M/L) optional, available
- Compatible with SuiviHTA

GUARANTEE
3 YEARS

TENSONIC® WRIST

Designed for regular self-monitoring, the Tensonic® blood pressure monitor offers a very high level of accuracy and ease of use for the entire family.



DESIGNATION	REF.
Tensonic® wrist blood pressure monitor - blueberry	527 522
Display of 6 Tensonic® wrist blood pressure monitors - blueberry	527 522P

VERY HIGH PRECISION MEASUREMENTS

- SPENGLER measurements
- Arrhythmia detector
- Tricolour WHO indicator
- 3 calculations of averages available allowing the monitoring of average of morning values

EASY TO USE

- Entirely automatic
- Large backlit screen

FAMILY USE

- 2 x 60 memories with date and time

FURTHER INFORMATION

- Wrist circumference 13.5-21 cm
- Supplied with 2 LR03 AAA batteries and a storage case
- Compatible with SuiviHTA

GUARANTEE
2 YEARS

[22-42 CM
CUFF]



AUTOTENSIO® UPPER-ARM

The Autotensio® upper-arm is designed for occasional use, it offers great ease of use and Spengler precision.

DESIGNATION	REF.
● Autotensio® upper-arm blood pressure monitor - Blueberry	SPG440-
● Autotensio® upper-arm blood pressure monitor - Coral Red	SPG445
● Display of 6 Autotensio® upper-arm blood pressure monitors - Blueberry	SPG440P
● Display of 6 Autotensio® upper-arm blood pressure monitors - Coral Red	SPG445P
Power adaptor	527 184
Cuff S Grey (16-24 cm)	527 462
Cuff ML Grey (22-42 cm)	527 464
Cuff XL Grey (32-48 cm)	527 465

HIGH PRECISION MEASUREMENTS

- SPENGLER measurements
- Arrhythmia detector
- Tricolour WHO indicator
- 3 calculations of averages available allowing the monitoring of average of morning values

EASY TO USE

- Entirely automatic
- 2 buttons
- Cuff 22-42 cm size M/L

FAMILY USE

- 2 x 60 memories with date and time

FURTHER INFORMATION

- Supplied with 4 LR6 AA batteries and a storage bag
- Optional power adapter
- 2 sizes of cuff (S, M/L) optional, available
- Compatible with SuiviHTA

GUARANTEE
2 YEARS



AUTOTENSIO® WRIST

*The Autotensio® wrist is the ideal blood pressure monitor
for occasional self-measurement.
Accurate and easy to use.*

DESIGNATION	REF.
● Autotensio® wrist blood pressure monitor - Blueberry	SPG340-
● Autotensio® wrist blood pressure monitor - Coral Red	SPG345
● Autotensio® display of 6 wrist blood pressure monitors - Blueberry	SPG340P-
● Autotensio® display of 6 wrist blood pressure monitors - Coral Red	SPG345P

PRECISION MEASUREMENTS

- SPENGLER measurements
- WHO indicator

HANDY & EASY TO USE

- Entirely automatic
- 2 buttons
- Liquid crystal screen
- 120 memories with date and time
- Fast and quiet

FURTHER INFORMATION

- Wrist circumference 13.5-21 cm
- Supplied with 2 LR03 AAA batteries and a storage case
- Compatible with SuiviHTA

ALL OUR ELECTRONIC BLOOD PRESSURE MONITORS CAN BE PROVIDED WITH DISPLAYS











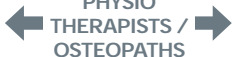




DIAGNOSIS & MEASUREMENT

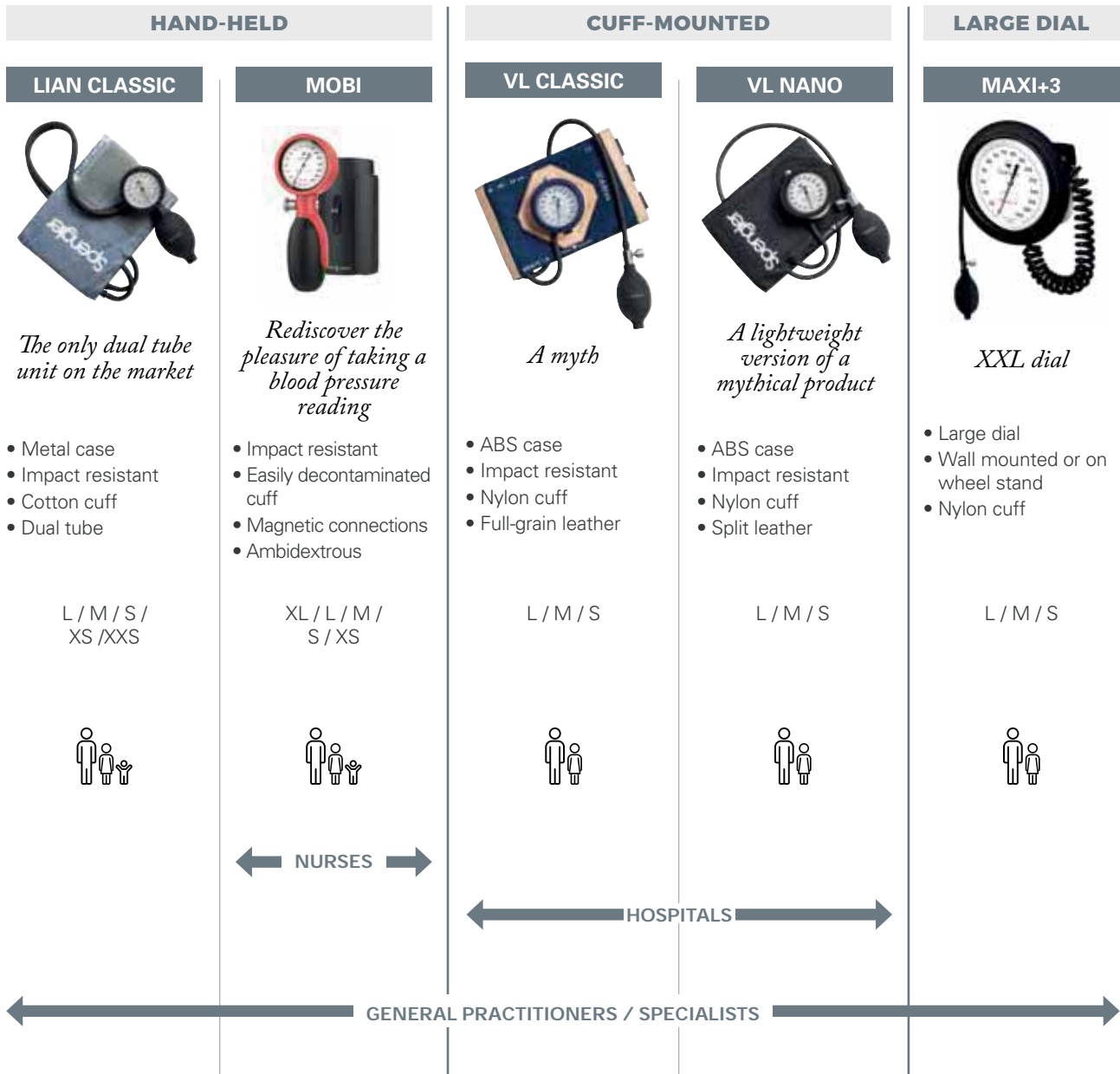
ANEROID SPHYGMOMANOMETERS



HAND-HELD

	LIAN NANO	LIAN NANO CLINIC	LIAN MÉTAL	LIAN NM
SPECIFICATIONS	 <p><i>SPENGLER quality for everyone</i></p> <ul style="list-style-type: none"> • ABS case • Impact resistant • Oxford nylon cuff 	 <p><i>The only sphygmomanometer that can be fully decontaminated</i></p> <ul style="list-style-type: none"> • ABS case • Impact resistant • Polymex cuff that can be decontaminated 	 <p><i>Will not wear out</i></p> <ul style="list-style-type: none"> • ABS case • Impact resistant • Nylon or cotton cuff • Ambidextrous 	 <p><i>A vintage look and premium finish</i></p> <ul style="list-style-type: none"> • Metal case • Impact resistant • Nylon or cotton cuff • Ambidextrous
	AVAILABLE CUFFS	XL / L / M / S / XS /XXS	L / M / S	XL / L / M / S / XS /XXS
PATIENTS				
USERS				
				
				
				

KEY:  Adult  Child > 12  Neonate





mobi



Mobi, the latest SPENGLER sphygmomanometer is a sum of innovations and has 4 patents and a design award (Red Dot Design award).



reddot award 2019
winner

Mobi OUR INNOVATIONS



LIFE LINK® TUBE (PATENT)

The LIFE LINK® tubing allows to change cuff in one second thanks to its magnetic end connectors, which helps increase accuracy of measurement process and results.



Mobi OUR INNOVATIONS



AMBIDEXTROUS (PATENT)

Specially designed to be ambidextrous, choose your configuration and change the position of the decompression valve.



PRECISION VALVE

MOBI is equipped with a decompression valve made of a high sensibility metal alloy designed to provide high precision deflation.





SHOCK RESISTANT

Due to its ABS plastic construction, MOBI is specially designed to offer great resistance to shocks and falls from everyday life.




ERGO PUMP

The ergonomic bulb is suitable for all types of hands and offers an extra volume of 11% compared to traditional bulbs.



GUARANTEE
3 YEARS


SEE THE
MOBI
COMMERCIAL




reddot award 2019
winner

CE
0459
Class Im

Mobi

The smartest thing that has happened to sphygmomanometers since we invented them.



Mobi Black carbon
Ref. 513 702



Mobi Blueberry
Ref. 513 700



Mobi Coral red
Ref. 513 701



Mobi Powdery pink
Ref. 513 703

VERY ACCURATE MEASUREMENTS

- High precision "clockwork" mechanism
- "High sensitivity" decompression valve
- New "Easy cuff" making it possible to better read the size index

COMFORT

- SPENGLER Velcro closure, the perfect mix between stability and practicality
- Life Link tubing for a 1-click cuff change
- New ergonomic pump
- Ambidextrous

SHOCK RESISTANT

- 3D shield system that isolates the mechanism using a hermetic triple skin

OPTION

- 5 cuff sizes available (XS, S, M, L, XL) *p. 43*



[PEDIATRIC RANGE STILL AVAILABLE !]



CUFFS



EASY CUFF

The new silhouette makes it easier to read the size index (patent).



SIZE	COLOR	REF.
Cuff XS (9-16cm)	● Pattern	513 710
Cuff S (15-26cm)	● Pattern	513 711
Cuff M (25-34 cm)	● Grey	513 712
Cuff L (32-42cm)	● Grey	513 713
Cuff XL (40-55 cm)	● Grey	513 714

HIGHLY ACCURATE MEASUREMENTS

- The new outline makes the size index easier to read.

COMFORT

- New "Life Link" connection technology for a 1-click cuff change
- SPENGLER Velcro closure, the perfect mix between stability and practicality
- Easy to clean and decontaminate

STRONG

- Made from TPU, the cuff is warp resistant
- Withstands over 10,000 removals

ACCESSORIES

LIFE LINK® Tube



DESIGNATION	REF.
LIFE LINK® Tube	513 720

Nurse watches



COLOR	REF.
● Black carbon	570 652
● Blueberry	570 651
● Coral red	570 650
● Powdery pink	570 653

SPENGLER PRECISION & QUALITY

Since their creation in 1907 by Emile Spengler, SPENGLER sphygmomanometers have been distinguished by their precision and their very high-quality finish.

With more than 110 years' experience in measuring blood pressure, SPENGLER has continuously assumed its role as a precursor in blood pressure measurement.

Today the brand is used by all the top specialists, proof of an unequalled level of performance.

MECHANISM

At the heart of sphygmomanometers, SPENGLER mechanisms control the movement of the needle.

As in high-precision watchmaking, each SPENGLER mechanism is developed and assembled with the greatest attention.

Consisting of a "high precision" inseparable diaphragm/movement assembly, SPENGLER mechanisms are systematically calibrated to guarantee the practitioner the highest level of precision. The specifically designed copper alloy and beryllium diaphragm, helps maintain the same level of precision over time.

An all-in-one instrument, each SPENGLER sphygmomanometer has a serial number to ensure traceability over its lifetime.

ATTENTION TO DETAIL

At SPENGLER we give utmost importance to the small details, which is what makes all the difference.

The full grain leather, cotton cuff, non-deformable steel casing and many other fundamental details give you a sphygmomanometer that functions perfectly and offers impeccable comfort.

SPENGLER CUFFS

By inventing the sphygmomanometer, a non-invasive measuring device, Emile Spengler did more than take medical diagnosis to a level of performance never achieved before. He also **revolutionized patient comfort**.

UNCOMPROMISING COMFORT AND PRECISION

COMFORT

Materials:

SPENGLER's history sums up this motto. At SPENGLER our precision design is always carried out with patient comfort to the fore. As such, we place the utmost importance in the materials used for our cuffs.

• Polycotton:

Made of a combination of cotton and polyester, the polycotton cuff is the fruit of extensive SPENGLER research and experience. Offering unique comfort and a soft touch, this cuff is ideal for pediatric and general use. The addition of polyester offers ease of maintenance and quick drying for regular washing.

• Oxford Nylon:

The Oxford Nylon Cuff offers great strength and durability. It is perfect for intensive use.

• Nylon :

The Nylon cuff is woven with a finer mesh than Oxford nylon making it less resistant but offering more comfort.

• TPU :

Cuffs made from TPU (thermoplastic polyurethane) are unique in that they do not have an inner pocket and are thus lighter. Very easy to maintain, they are recommended for intensive use.

PRECISION

Fastening quality:

Fastening plays a vital role in the accuracy of blood pressure measurement. SPENGLER attaches great importance to its fastenings in order to ensure it provides the reference product for the market.

• Strap fastenings:

SPENGLER has always provided cuffs with straps. They provide a precise and rapid method for fastening cuffs and offer great durability over time.

• Velcro fastenings:

The positioning, length and width of the SPENGLER Velcro has been optimised over the course of numerous tests. It offers a very high level of performance and exceptional support.



SIZE OF CUFF:

The size of the cuff has a direct impact on the quality of your measurements. It is essential that the cuff is adapted to each arm circumference.

- Too narrow a cuff will result in the overestimation of blood pressure.
- Too large a cuff will result in the underestimation of patient blood pressure.

Accuracy is in our DNA at SPENGLER, which is why we offer 6 cuff sizes*.

Size	Designation	Cuff	Bladder	Arm circumference
XL	Extra large	22 x 80 cm	20 x 38 cm	42 to 52 cm
L	Large adult	16,5 x 61 cm	16 x 32 cm	32 to 42 cm
M	Adult	14 x 51 cm	12 x 27 cm	26 to 34 cm
S	Child / Small adult	8,5 x 42 cm	8 x 23 cm	20 to 28 cm
XS	Small child	8 x 36 cm	6 x 18 cm	15 to 22 cm
XXS	Neonate	6 x 29 cm	4 x 12 cm	10 to 15 cm

* except *Mobi*

MAINTENANCE OF CUFFS AND BLADDERS

Washing:

• Cotton or nylon cuffs:

Machine wash the cuffs, with fasteners closed, at 30-35°C. Do not spin.

• TPU:

- Use warm soapy water.
- Decontaminating wipes.

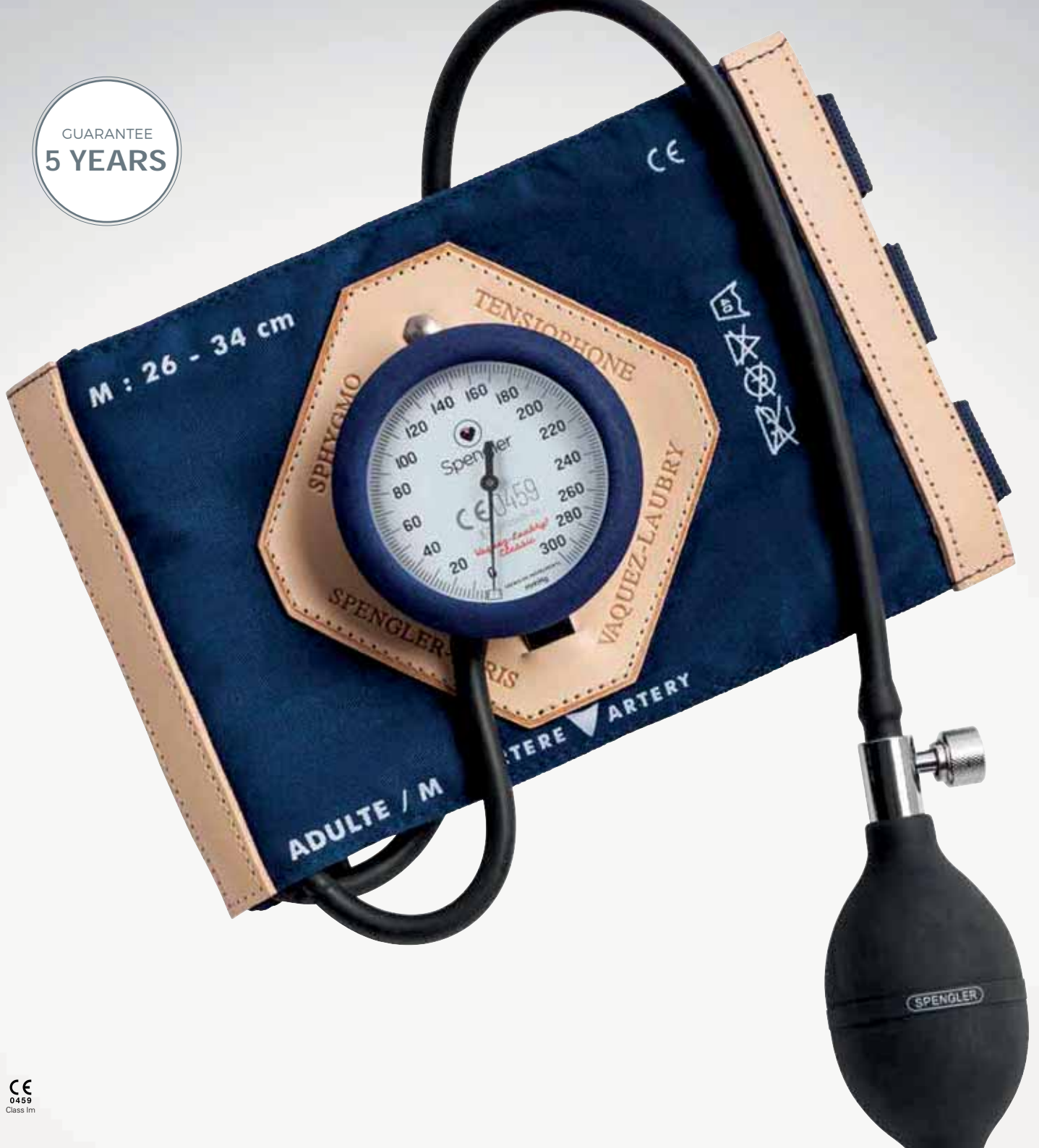
• Inflatable bladder and tubing:

Seal the end of the tube with a clamp before washing in warm soapy water or immerse in a suitable disinfectant solution. Rinse thoroughly and dry.

PEDIATRIC CUFF

Cuff sizes S, XS and XXS have been specially developed for children. They are made of cotton to provide a softness for children's skin or in TPU for more practicality.

GUARANTEE
5 YEARS



VAQUEZ-LAUBRY® CLASSIC

The sphygmomanometer that revolutionized medical diagnosis. Heir to the sphygmomanometer invented by Henri Vaquez, Charles Laubry and Emile Spengler, the world-famous Spengler sphygmomanometer is the synthesis of the modern and the traditional.



Velcro fastening

SIZE	COLOUR	REF.
Large Adult (L)	Navy blue	518 002
	Grey	518 011
Adult (M)	Navy blue	518 012
	Red	518 013
Child/Small adult (S)	Grey	518 022

Fastening with straps

SIZE	COLOUR	REF.
Adulte (M)	Navy blue	518 112
	Red	518 113

VERY HIGH PRECISION MEASUREMENTS

- Dual tubing for a linear increase in pressure
- High precision "watchmaking" mechanism

COMFORT

- Large inflation bulb for rapid inflation
- SPENGLER Velcro fastening, the perfect combination of maintenance and practicality
- SPENGLER strap fastening for speed and longevity

SHOCK RESISTANT

- Metal casing
- Shockproof foam manometer protector

ELEGANCE AND VERY HIGH-QUALITY FINISH

- Full grain leather manometer holder

CUFF

- Cotton

GUARANTEE
2 YEARS



CE
0459
Class Im

VAQUEZ-LAUBRY® NANO

Lightweight and robust, the Vaquez Laubry Nano is aimed at healthcare professionals seeking an instrument that does not compromise with regard to either practicality or precision.



Velcro fastening

SIZE	COLOUR	REF.
Large Adult (L)	Black	512 200
Adult (M)	Black	512 210
Child/Small adult (S)	Black	512 220

HIGH PRECISION MEASUREMENTS

- Dual tubing for a linear increase in pressure
- High precision "watchmaking" mechanism

SHOCK RESISTANT

- Large shock resistant ABS dial
- Shockproof foam manometer protector

COMFORT

- Large inflation bulb for rapid inflation
- SPENGLER Velcro fastening, the perfect combination of maintenance and practicality

HIGH QUALITY FINISH

- Manometer support in split leather

CUFF

- Oxford Nylon

OPTION

- Clinic® version available

GUARANTEE
5 YEARS



CE
0459
Class Im

LIAN[®] CLASSIC

The benchmark hand-held sphygmomanometer!
The Lian CLASSIC is the only hand-held sphygmomanometer with dual tubing technology giving it precision and ease of use.



Velcro fastening, cotton cuff

SIZE	COLOUR	REF.
Multicuff (L, M, S)	Grey	519 050
Large Adult (L)	Grey	519 001
Adult (M)	Grey	519 011
	Navy blue	519 012
Child/small adult (S)	Cartoon	519 029
Smal child (XS)	Cartoon	519 039
Neonate (XXS)	Cartoon	519 049

VERY HIGH PRECISION MEASUREMENTS

- Dual tubing with rapid couplings for a linear increase pressure
- High precision "watchmaking" mechanism

SHOCK RESISTANT

- Non-deformable metal casing
- Shockproof foam manometer protector

COMFORT

- Large inflation bulb for rapid inflation

- SPENGLER Velcro fastening, the perfect combination of maintenance and practicality

CUFF

- Cotton

OPTION

- 5 sizes of cuff (XXS, XS, S, M, L) available

GUARANTEE
3 YEARS



CE
0459
Class Im

LIAN[®] NM

*The Lian NM is an ambidextrous,
robustly designed sphygmomanometer for intensive use.*



Velcro fastening

SIZE	TYPE	COLOUR	REF.
Multicuff (L, M, S)	Nylon	Grey	520 630
Extra large (XL)	Nylon	Grey	520 619
Large Adult (L)	Nylon	Grey	520 620
Adult (M)	Nylon	Grey	520 621
	Cotton	Navy blue	520 627
Child/Small adult (S)	Nylon	Grey	520 626
	Cotton	Cartoon	520 622
Small child (XS)	Cotton	Cartoon	520 623
Neonate (XXS)	Cotton	Cartoon	520 624

HIGH PRECISION MEASUREMENTS

- High precision "watchmaking" mechanism

ROBUST & SHOCK RESISTANT

- Non-deformable metal casing
- Shockproof foam manometer protector

COMFORT

- Ambidextrous thanks to the central decompression valve
- Large inflation bulb for rapid inflation

- SPENGLER Velcro fastening, the perfect combination of maintenance and practicality.

CUFF

- Cotton or Nylon

OPTION

- 6 cuff sizes (XXS, XS, S, M, L, XL) available

GUARANTEE
3 YEARS



CE
0459
Class Im

LIAN[®] METAL

The Lian METAL is an ambidextrous model offering great comfort of use thanks to its large dial.



Velcro fastening

SIZE	TYPE	COLOUR	REF.
Multicuff (L, M, S)	Nylon	Grey	521 330
Extra large (XL)	Nylon	Grey	521 309
Large Adult (L)	Nylon	Grey	521 310
Adult (M)	Nylon	Grey	521 311
	Cotton	Red	521 317
Child/small adult (S)	Nylon	Grey	521 316
	Cotton	Cartoon	521 312
Small child (XS)	Cotton	Cartoon	521 313
Neonate (XXS)	Cotton	Cartoon	521 314

HIGH PRECISION MEASUREMENTS

- High precision "watchmaking" mechanism

COMFORT

- Large dial for easy reading
- Ergonomic spoon and grooved bulb for perfect handling
- Ambidextrous (simply rotate to change hands)
- Large inflation bulb for rapid inflation
- SPENGLER Velcro fastening, the perfect combination of maintenance and practicality

SHOCK RESISTANT

- Non-deformable metal casing
- Shockproof foam manometer protector

CUFF

- Cotton or Nylon

GUARANTEE
2 YEARS

M: 26 - 34 cm

Spencer



ARTERY

CE
0459
Class Im

LIAN[®] NANO

Lightweight and robust, the Lian NANO combines style and performance.



Velcro fastening

SIZE	TYPE	COLOUR	REF.
Multicuff (L, M, S)	Oxford Nylon	Black	513 260-
Extra large (XL)	Nylon	Grey	513 201
Large Adult (L)	Oxford Nylon	Black	513 200
Adult (M)	Oxford Nylon	Black	513 210
Child/small adult (S)	Nylon	Black	513 220
	Cotton	Cartoon	513 229
Small child (XS)	Cotton	Cartoon	513 239
Neonate (XXS)	Cotton	Cartoon	513 249

HIGH PRECISION MEASUREMENTS

- High precision "watchmaking" mechanism

COMFORT

- Lightweight
- Ergonomic spoon and grooved bulb for perfect handling
- Large dial for easy reading
- Large inflation bulb for rapid inflation
- SPENGLER Velcro fastening, the perfect combination of maintenance and practicality

SHOCK RESISTANT

- Shock resistant ABS casing

CUFF

- Oxford Nylon
- Cotton for pediatric version

OPTION

- 6 cuff sizes (XXS, XS, S, M, L, XL) available
- Clinic[®] version available



GUARANTEE
2 YEARS

PREVENTING CROSS CONTAMINATION

SPENGLER has been a partner of healthcare establishments in the fight against nosocomial infections for 20 years.

CLINIC CUFFS

- "Monobloc" bladder cuff in treated polymex, comfortable, non-deformable and very resistant
- Soft, rounded atraumatic edge
- High frequency seal

MAINTENANCE AND DISINFECTION OF CUFFS

To contribute to the fight against nosocomial infections, a national priority, SPENGLER has developed specific products whose materials, manufacturing techniques and design allow the application of the full cleaning/pre-disinfection procedure by immersion and cold disinfection.

The SPENGLER "Clinic®" range of products:

- Sealing systems to ensure waterproofing during soaking,
- Unalterable regulatory markings engraved in the mass,
- Disinfection protocols tested and validated.

WASHING:

Machine or hand wash with cuff closed: Cleaning at 40°C maximum and pre-disinfection with cuff closed (decontamination):

- Cold immersion in the appropriate solutions, meeting standards (e.g. ANIOSYME DD1 diluted to 0.5% for 5 minutes or HEXANIOS G+R diluted to 0.5% for 15 minutes).
- Rinse with water and dry.

DISINFECTION:

- Spray sterile IP isopropyl alcohol (70%) over the entire surface of the cuff
- Leave to dry for a few minutes; do not rinse
- Disinfection possible using sodium hypochlorite at 0.5% of active chlorine.
- Rinse with sterile water if necessary.

Tested with products:



CE
0459
Class Im

LIAN[®] NANO CLINIC[®]

Lightweight and robust, the Lian NANO combines style and performance.



Velcro fastening

SIZE	TYPE	COLOUR	REF.
Multicuff (L, M, S)	Polymex	Yellow Clinic [®]	513 270
Adult (M)	Polymex	Yellow Clinic [®]	513 210

HIGH PRECISION MEASUREMENTS

- High precision "watchmaking" mechanism

COMFORT

- Lightweight
- Ergonomic spoon and grooved bulb for perfect handling
- Large dial for easy reading
- Large inflation bulb for rapid inflation
- SPENGLER Velcro fastening, the perfect combination of maintenance and practicality

SHOCK RESISTANT

- Shock resistant ABS casing

CUFF

- Oxford Nylon

OPTION

- 6 cuff sizes (XXS, XS, S, M, L, XL) available
- Clinic[®] version available

MAXI+3

The MAXI+3 wall sphygmomanometer features SPENGLER technology in a sphygmomanometer with a dial diameter of 147mm.



DESIGNATION	REF.
MAXI+3 wall mounted with adult cuff (M)	522 700
MAXI+3 with stand with adult cuff (M)	522 705
MAXI+3 wall mounted with 3 cuffs (S, M, L)	522 707
MAXI+3 with stand with 3 cuffs (S, M, L)	522 708
Mobile wheel stand for Maxi+3	522 725

HIGH PRECISION MEASUREMENTS

- Dual tubing for a linear inflation

COMFORT

- Ambidextrous
- Suitable for reading at distance
- 2.5 metre spiral tubing
- Ergonomic and large inflation bulb for rapid inflation of the cuff
- Velcro fastening cuff
- Adjustable wall-mounted

CUFF

- Nylon

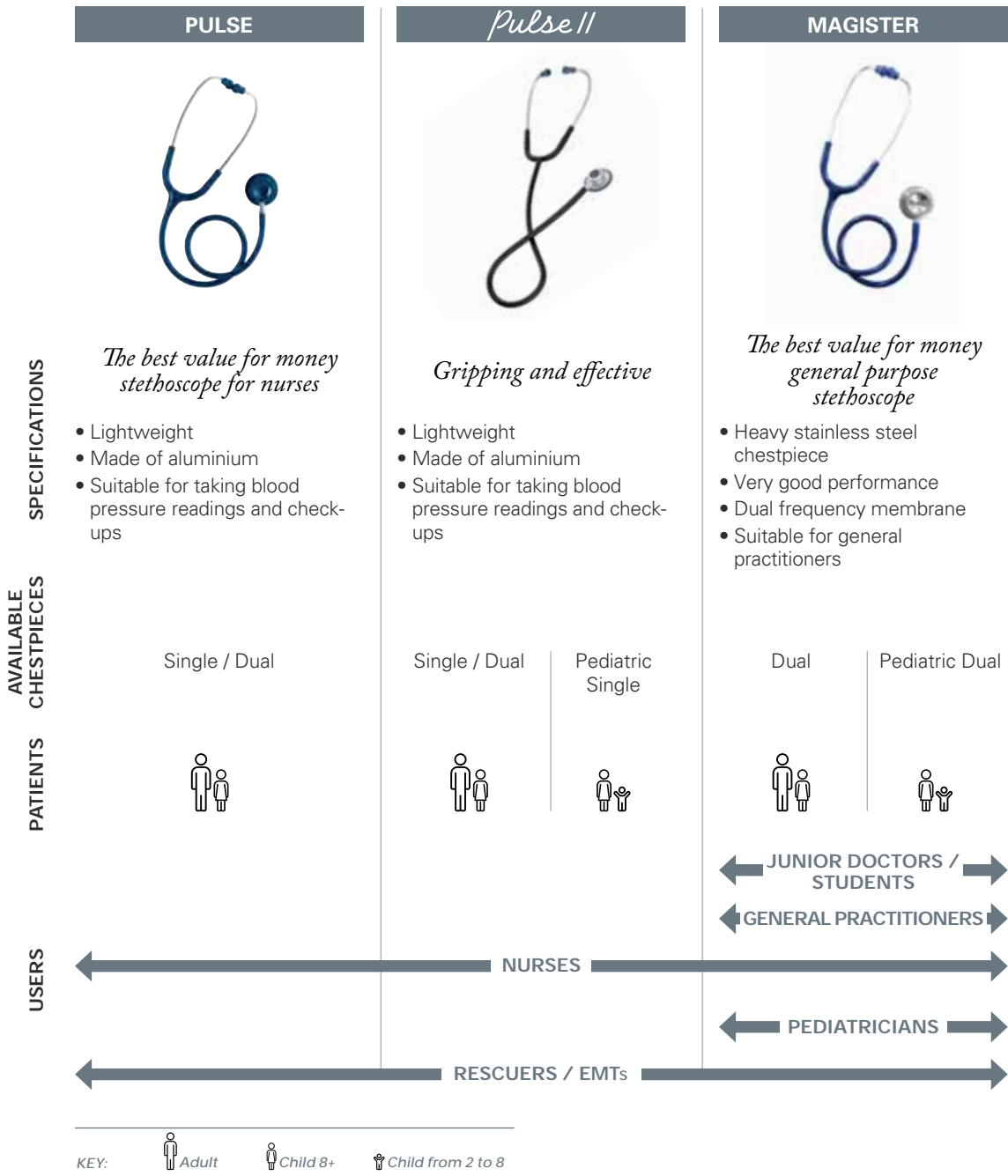
OPTION

- Base with wheels
- Wall-mounted
- 3 cuff sizes (S, M, L) available

DIAGNOSIS & MEASUREMENT

STETHOSCOPES





LAUBRY



An icon

- Heavy Zamak
- Very good performance
- Suitable for general practitioners
- Unique appearance

Single



Magister II



Excellent for general practitioners

- Heavy stainless steel chestpiece
- Exceptional performance
- Dual frequency membrane
- A pediatric side
- Suitable for general practitioners and specialists

Single /
Dual with pediatric side



← JUNIOR DOCTORS / STUDENTS →

Cardio prestige II



Ultimate performance

- Heavy stainless steel chestpiece
- Unprecedented and exceptional performance
- Dual frequency membrane
- Oversize tubing
- Exceptional acoustics
- A pediatric side

Single /
Dual with pediatric side



← GENERAL PRACTITIONERS →

← NURSES →

← SPECIALISTS (cardiologists, pulmonologists, etc.) →

← PEDIATRICIANS →

← RESCUERS / EMTs →



OUR INNOVATIONS



EXCEPTIONAL ACOUSTICS

Precision-machined, the new design for the CARDIOPRESTIGE II receiver is inspired by musical instruments such as the French horn. Its flared shape allows sound waves to be captured better.



ADAPTED TO CUFFS

Adapted to the cuffs, the CARDIOPRESTIGE II, MAGISTER II and PULSE II stethoscopes are designed with thin edges, perfectly matching the ends of the tensiometer cuff.





STAINLESS STEEL CHESTPIECE

Stainless steel offers the best acoustic properties, so it was selected for use in the chestpieces for the MAGISTER II and CARDIOPRESTIGE II stethoscopes. In addition, we increased the thickness where necessary in order to refine the acoustic.



CHESTPIECE INDICATOR

Drawing on an observation by doctors, we revolutionized the use of the stethoscope by means of one very simple idea. The indicator tells you which side of the chestpiece is active.



GUARANTEE
7 YEARS



CE



CARDIOPRESTIGE II
PRESENTATION



Cardio prestige II

SINGLE AND DUAL CHESTPIECE

*Acoustic performances
you will hear about!*



Cardio Prestige® II
Single chestpiece stethoscope
Ref. 506 010



Cardio Prestige® II
Dual chestpiece stethoscope
Ref. 506 011



EXCEPTIONAL ACOUSTICS



CUFF FRIENDLY



STAINLESS STEEL
CHESTPIECE



FLOATING MEMBRANE



BELL INDICATOR



OVERSIZE TUBE

EXCEPTIONAL ACOUSTICS

- Heavy stainless steel single or dual head chestpiece
- Exceptional acoustics allowing improved capture of sound waves
- Large-diameter binaurals
- Dual frequency floating membrane:
 - Light pressure to hear low frequencies (vascular and cardiac)
 - Firm pressure to hear high frequencies (pulmonary)
- Simple tube
- Aluminium binaural

VERSATILITY

- Adult and pediatric chestpiece (on dual chestpiece)

COMFORT

- Non-chill ring
- Nano silicone eartips
- Bell indicator (on dual chestpiece)
- New binaural design better adapted to human anatomy.

GUARANTEE
5 YEARS



CE



MAGISTER II
PRESENTATION



Magister II

SINGLE AND DUAL CHESTPIECE

*So famous and requested that Spengler
comes with 2 new colors!*



COLOUR	SINGLE CHEST	DUAL CHEST
● Black	507 260	507 261
● Silver	507 250	507 251
● Blueberry	-	507 252
● Coral	-	507 262



STAINLESS STEEL CHESTPIECE



CUFF FRIENDLY



FLOATING MEMBRANE



BELL INDICATOR

EXCEPTIONAL ACOUSTICS

- Heavy stainless steel single or dual head chestpiece
- Exceptional acoustics allowing improved capture of sound waves
- Large-diameter binaurals
- Dual frequency floating membrane:
 - Light pressure to hear low frequencies (vascular and cardiac)
 - Firm pressure to hear high frequencies (pulmonary)
- Simple tube
- Aluminium binaural

VERSATILITY

- Adult and pediatric chestpiece (on dual chestpiece)

COMFORT

- Non-chill ring
- Nano silicone eartips
- Bell indicator (on dual chestpiece)
- New binaural design better adapted to human anatomy.

GUARANTEE
5 YEARS



CE

MAGISTER®

*The Magister is Spengler's general purpose stethoscope,
The benchmark!*



TYPE	COLOUR	REF.
Adult	● Navy blue	507 202
	● Black	507 200
	● Grey	507 204
	● Pink bougainvillea	507 205
	● Green lagoon	507 209
Pediatric	● Black	507 210
	● Sky blue	507 214
	● Pink	507 217

HIGH ACOUSTIC QUALITY

- Stainless steel chestpiece
- High performance single sound path tubing for improved isolation of unwanted noise
- Stainless steel binaural

VERSATILITY

- Dual head adult chestpiece and a bell chestpiece

- Dual frequency membrane:
 - Light pressure to hear low frequencies (vascular and cardiac)
 - Firm pressure to hear high frequencies (pulmonary)

COMFORT

- Light binaural, designed for the auricular anatomy
- Non-chill ring
- Comfortable ear tips

GUARANTEE
5 YEARS



CE

LAUBRY®

Although its appearance has remained the same since the beginning of the 20th century, Spengler has kept up with technological innovations and offers a high precision, general purpose stethoscope.



Laubry® Black
Ref. 507 300



Laubry® Navy blue
Ref. 507 302



Laubry® Red
Ref. 507 308



Laubry® Clinic® (easy
decontamination)
Ref. 507 349

VERY HIGH ACOUSTIC QUALITY

- Acoustic qualities that are among the best on the market
- Zamak performance metal alloy chestpiece
- High performance single sound path tubing
- Brass binaural

VERSATILITY

- High resolution epoxy resin diaphragm for an auscultation of physiological sounds in a wide frequency range

COMFORT

- Receiver shaped for perfect contact with examination area
- Light binaural, designed for the auricular anatomy
- Non-chill ring
- Comfortable ear tips

GUARANTEE
3 YEARS



CE



PULSE II
PRESENTATION



Pulse II

SINGLE AND DUAL CHESTPIECE

Light, except for his performances!



COLOUR	SINGLE CHESTPIECE	DUAL CHESTPIECE
● Black	507 702	507 712
● Blueberry	507 700	507 710
● Coral red	507 701	507 711
● Powderly pink	507 703	507 713



ALUMINIUM CHESTPIECE



CUFF FRIENDLY



BUMP PROTECTION



BELL INDICATOR

HIGH ACOUSTIC QUALITY

- Aluminium single or double head chestpiece
- High performance single tubing
- Aluminium binaural
- High performance diaphragm

VERSATILITY

- One adult chestpiece and one bell chestpiece (on double chestpiece models)

COMFORT

- Non-chill ring
- Silicone eartips
- New binaural design better adapted to human anatomy.

GUARANTEE
3 YEARS



CE

Pulse II

PEDIATRIC

The pitchboun!



*Pulse® II single chestpiece
Pediatric stethoscope*
Ref. 507 704



ALUMINIUM CHESTPIECE



CUFF FRIENDLY



BUMP PROTECTION

HIGH ACOUSTIC QUALITY

- Aluminium alloy single head pediatric chestpiece
- Single tubing
- Aluminium binaural
- High performance diaphragm

COMFORT

- Non-chill ring
- Silicone earpieces
- New binaural design better adapted to human anatomy.

GUARANTEE
3 YEARS



CE

PULSE® / DUAL PULSE®

*The Pulse is the stethoscope
for the daily blood pressure test*



COLOUR	SINGLE CHESTPIECE	DUAL CHESTPIECE
● Black	507 500	507 400
● Sky blue	507 521	507 421
● Navy blue	507 522	507 422
● Red	507 530	507 430
● Grey	507 524	507 424
● Pink bougainvillea	507 523	507 423
● Green lagoon	507 528	507 428

ACOUSTIC QUALITY

- Aluminium alloy single or dual chestpiece
- Single sound path tubing
- Aluminium binaural

VERSATILITY

- Dual head chestpiece: adult and bell chestpiece (for Dual Pulse®)
- High resolution epoxy resin diaphragm for an auscultation of physiological sounds in a wide frequency range

COMFORT

- Light binaural, designed for the auricular anatomy
- Non-chill ring
- Comfortable ear tips

SPENGLER TAKES CARE OF CHILDREN !



DIAGNOSIS & MEASUREMENT

ENT





SMARTLIGHT



ENT diagnosis essentials

SPECIFICATIONS

- Conventional XHL lighting
- 90% IRC
- 24 K lumen

PATIENTS



COMPATIBLE SPECULA

Adult 4mm / Pediatric 2.5mm

USERS

← GENERAL PRACTITIONERS →

KEY:



Adult



Child



Neonate

SMARTLED 5500



Exceptional diagnosis

- LED and fiber optic lighting
- 95 % IRC
- 50 K lumen



Adult 4mm / Pediatric 2.5mm

Pediatric SMARTLED 5500

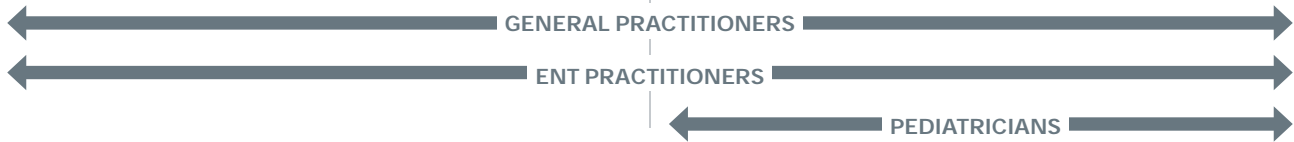


For a funny diagnosis

- LED and fiber optic lighting
- 95 % IRC
- 50 K lumen



Adult 4mm / Pediatric 2.5mm



WHAT LIGHTING TECHNOLOGY?

There are several technologies for illuminating medical diagnostic instruments. Halogen, xenon, xenon/halogen and LED technology.

THE ADVANTAGES OF LED TECHNOLOGY:

BRIGHTNESS

Measured in lumens, the luminous intensity developed by the SPENGLER LEDs is greater than the xenon halogen technology (xhl).

LONGEVITY

SPENGLER LEDs have an exceptional lifetime of 50,000 hours.

LOW CONSUMPTION

Thanks to their low power consumption, SPENGLER LEDs offer a 50-hour battery life.

WHAT DIFFUSION TECHNOLOGY?

THE ADVANTAGES OF FIBRE OPTIC TECHNOLOGY:

LARGE OBSERVATION WINDOW

Thanks to the way fibre optics renders light, the observational window is entirely cleared for examination.

REDUCTION OF GLARE

By removing the light source inside the observation chamber we minimise the risk of glare.

This is why Spengler went for the fibre optics technology.



Fibre optic lighting

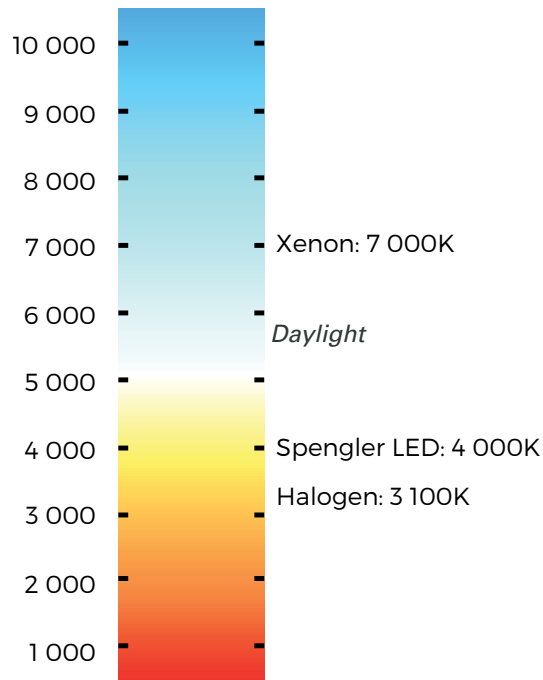


Conventional lighting



COLOURIMETRY

Temperature scale (in kelvin)



While light intensity plays a key role in medical diagnosis, colourimetry is also crucial.

Light being an electromagnetic wave, just like UV and infrared, it is the power of this wave which determines the colour.

- **Blue:** Very close to UV, blue, or cold light, comes from a high intensity wave. An observation with predominantly blue light will have the advantage of offering great clarity of observation. However blue light, will result in dazzle, deteriorate natural colours and reduce contrasts.
- **Red:** Red light has a lower frequency wave. This warm colour has the advantage of preserving contrasts, but the main disadvantage of preventing the examination of red areas such as the Kiesselbach vascular stain.

The SPENGLER teams, supported by the SPENGLER INSTITUTE and SPENGLER LAB have determined the perfect colourimetry for the medical examination.

CRI (COLOUR RENDERING INDEX)

With an exceptional index of 95%, the SPENGLER LED light is neither too red nor too blue.

At 4000 K it allows perfect observation of the hyperthermia zones and reliefs.

GUARANTEE
3 YEARS



CE

SMARTLED 5500[®] & SMARTLED 5500-R[®]

*The SMARTLED 5500[®] was developed
with the aim of enabling exceptional diagnosis.*



LED fiber optic otoscope Smartled 5500[®]

COLOUR	REF.
● Otoscope - carbon	570 517
● Otoscope - coral red	570 517C
● Otoscope - blueberry	570 517B
● Pediatric otoscope	570 517P



*Black LED fiber optic otoscope
Smartled 5500-R with charging dock
Ref. 570 530*

EXCEPTIONAL DIAGNOSIS

- Cutting edge LED technology
 - Powerful brightness of 50K lumens,
 - A 4000K colourimetry, the perfect range for observation,
 - A CRI (Colour Rendering Index) of 95 out of 100 for almost perfect colour rendition.
- Fiber optic for direct illumination, homogeneous and without ear canal and eardrum reflection,
- Magnifying glass x3

HANDY & EASY TO USE

- Ergonomic handle
- ABS and stainless steel head for secure fixing
- Fixing clip with switch
- Light bulb inset for greater reliability
- LED bulb with a lifespan of 50000 h

ADDITIONAL INFORMATION

- Supplied with rigid case with 2 LR6 AA batteries, 8 specula (2.5mm and 4mm).

GUARANTEE
3 YEARS



CE

SMARTLIGHT®

EAR SPECULA

The otoscope with conventional lighting.



Smartlight black otoscope
Ref. 570 310



Box of 250 (2.5 mm or 4 mm)

Box of 250 (2.5 mm)	L20747
Box of 250 ex (4 mm)	L20748

PRECISION DIAGNOSIS

- Xenon / halogen technology for powerful and consistent light diffusion
- Brightness of 30 K lumens

PRACTICAL & RESISTANT

- Compact & lightweight
- Very resistant
- Bi-material ABS and brass head for secure fixation
- Fixing clip with switch

ADDITIONAL INFORMATION

- Supplied with two LR6 batteries (AA)

DISPOSABLE EAR SPECULA

- 2 sizes available 2.5 mm and 4 mm.
- Single-use ear specula adaptable to Smartled 5500, 5500-R, Smartlight and most otoscopes on the market.

GUARANTEE
2 YEARS



LITESTICK® PENLIGHT



COLOUR	REF.
Black	570 620
Silver	570 624
Blue	570 621
Red	570 623

PRECISION DIAGNOSIS

- LED lighting for white and intense light
- Aluminium structure

HANDY & EASY TO USE

- Compact and lightweight
- Button switch

ADDITIONAL INFORMATION

- Supplied with 2 LR03 AAA batteries and tongue depressor support.

GUARANTEE
2 YEARS

CLAR MIRROR



DESIGNATION	REF.
Clar mirror	570 150

PRECISION DIAGNOSIS

- LED lighting

ADDITIONAL INFORMATION

- Supplied with carry case.

GUARANTEE
2 YEARS



PEAK FLOWMETER



DESIGNATION	REF.
Peak flowmeter	L36147
Box of 100 adult tips Ø 30 mm	L35587
Box of 100 child tips Ø 22 mm	L35678

PRECISION DIAGNOSIS

- From 50 to 800 ml

HANDY & EASY TO USE

ADDITIONAL INFORMATION

- Optional child and adult tips

DIAGNOSIS & MEASUREMENT

OXIMETERS



OXYSTART



Compact and lightweight

- Results in a few seconds
- Plethysmography trend

OXYFROG



Suitable for children

- Designed for children from 10 to 40kg

SPECIFICATIONS

PATIENTS

USERS



← GENERAL PRACTITIONERS →

← PATIENTS →

← NURSES →

KEY:



Adult



Child



Neonate

OXYGO



Resistant and professional

- Results in a few seconds
- Impact resistant
- Easy to clean and decontaminate



MASTER PALM 2



The oximeter with remote sensors

- Large rotating screen
- Monitoring function
- Wide range of sensors
- Exceptional endurance



MASTER PALM 3



The oximeter Nellcor compatible

- Large rotating screen
- Monitoring function
- Wide range of sensors
- Exceptional endurance
- Nellcor Technology



GENERAL PRACTITIONERS

NURSES

HOSPITALS

RESCUERS / EMTs

OXYFROG: PEDIATRIC PULSE OXYMETER!



See our video
presentation



@SPENGLER_INSTRUMENTS

WWW.SPENGLER.FR

GUARANTEE
2 YEARS



OXYFROG

For a funny examination



Digital Pulse Oximeter Oxyfrog
Ref. 221 056

HIGH MEASUREMENT ACCURACY

- High sensitivity sensor
- Suitable for children from 10 to 40 kg

HANDY AND EASY TO USE

- Compact and lightweight
- Automatic shutdown after 5 seconds
- Easy to use: Single button

ADDITIONAL INFORMATION

- Comes with a wrist strap and two AAA LR03 batteries

GUARANTEE
2 YEARS



OXYSTART®

*The Oxystart® is a compact and lightweight device,
very easy to use.*



COLOUR	REF.
Orange	221 051
Blueberry	221 052

HIGH PRECISION MEASUREMENTS

- Display of the plethysmography curve
- High precision sensor

HANDY & EASY TO USE

- Compact & lightweight
- LCD screen
- Rotation of screen
- Easy to use (1 button)
- Switches off automatically after 5 seconds when not in use

ADDITIONAL INFORMATION

- Supplied with a wrist-strap, a cover and 2 AAA LRO3 batteries.

GUARANTEE
2 YEARS



OXYGO®

*Oxygo® has been designed for intensive use
by health professionals*



COLOUR	REF.
Grey	221 350/

VERY HIGH PRECISION MEASUREMENTS

- Technology adapted to children
- High precision sensor

HANDY & EASY TO USE

- Compact and design
- Fast reading
- Shock resistant
- Large screen
- Very long battery life
- Indicator of desaturation

ADDITIONAL INFORMATION

- Supplied with a wrist-strap, a cover and 2 AAA LRO3 batteries (only one battery is required)

GUARANTEE
2 YEARS



MASTER PALM 2®

MASTER PALM 2® pulse oximeter has been specially developed for professionals.



Master Palm 2® portable pulse oximeter
Ref. 223 000

HIGH PRECISION MEASUREMENTS

- Technology suitable for both adults and neonatal

HANDY & EASY TO USE

- Exceptional battery life
- HD screen with automatic rotation for perfect readability
- 2 display modes: with or without curve
- Lightweight
- Monitoring function (alarm and memory)

ADDITIONAL INFORMATION

- Compact 58.5 (L) x 123 (H) x 28 (I) mm

MASTER PALM 3®

The MASTER PALM 3® pulse oximeter has been developed to meet the needs of healthcare professionals. Featuring the Nellcor and Nellcor Oximax technology, it's brimming with technological expertise.



Master Palm 3® portable pulse oximeter
Ref. 223 001

VERY HIGH PRECISION MEASUREMENTS

- Technology suitable for both adults and neonatal
- Nellcor and Nellcor OxiMax Technology

HANDY & EASY TO USE

- Exceptional battery life
- HD screen with automatic rotation for perfect readability
- 2 display modes: with or without curve
- Lightweight
- Monitoring function (alarm and memories)

ADDITIONAL INFORMATION

- Compact 58.5 (L) x 123 (H) x 28 (I) mm

OPTIONS

- SpO₂ sensor, charging kit, protection covers,...

ACCESSORIES FOR MASTER PALM 2 AND 3®



A



B

Digital SpO₂ sensors for Master Palm 2

SPO2 sensor Adult finger clip for Master Palm 2	222 250
SPO2 sensor Pediatric finger clip for Master Palm 2	222 251
SPO2 sensor neonate for Master Palm 2	222 252
SPO2 sensor wrap for Master Palm 2	222 253
SPO2 sensor adult silicon for Master Palm 2	222 254
SPO2 sensor pediatric silicon for Master Palm 2	222 255
SPO2 sensor ear clip for Master Palm 2	222 256

Digital SpO₂ sensors for Master Palm 3

SPO2 sensor Nellcor oximax compatible Adult finger clip for Master Palm 3	222 260
SPO2 sensor Nellcor oximax compatible Pediatric finger clip for Master Palm 3	222 261
SPO2 sensor Nellcor oximax compatible neonate for Master Palm 3	222 262
SPO2 sensor Nellcor oximax compatible wrap for Master Palm 3	222 263
SPO2 sensor Nellcor oximax compatible adult silicon for Master Palm 3	222 264
SPO2 sensor Nellcor oximax compatible pediatric silicon for Master Palm 3	222 265
SPO2 sensor Nellcor oximax compatible ear clip for Master Palm 3	222 266

Other accessories for Master Palm 2 & 3

Software kit for Master Palm 2 (USB Cable and software)	223 005
<i>A</i> Charger kit for Master Palm 2 and 3 (base, lithium battery, cord)	223 007
<i>B</i> Pack of 2 silicone protectors for Master Palm 2 and 3 (Yellow/Transparent)	223 004
Carry bag for Master Palm 2 and 3	223 003
PC USB cable for Master Palm 2	223 006

DIAGNOSIS & MEASUREMENT

THERMOMETERS



TEMPO 10 and 10 Flex



A classic

- Can be used for rectal, oral and axillary measurements
- Result in less than 10 seconds
- Sealed for easy cleaning

CARACTÉRISTIQUES



PATIENTS

UTILISATEURS



TEMPO DUO



The go anywhere family thermometer

- For ear or forehead measurements
- Small size
- Backlit display
- No sensor cap



KEY:



Adult



Child



Neonate

TEMPO DUO II



The family thermometer

- For ear or forehead measurements
- Backlit display
- No probe cover



← FAMILY USE →

TEMPO PRO



Quick & efficient

- Contactless forehead thermometer (distance of less than 3 cm)
- Backlit display
- Small and lightweight



← GENERAL PRACTITIONERS →

← HOSPITALS →

TEMPO EASY



*Ultra accurate,
ultra flexible*

- Contactless temporal thermometer (distance of 3 to 5 cm)
- Backlit display
- Three modes: Body temperature, surface temperature, ambient temperature



GUARANTEE
2 YEARS



TEMPO EASY

The Tempo Easy takes temperature using infrared and contactless rays.



COLOUR	REF.
Blue	SP3065
Grey	SP3066

Display of 6 blue Tempo Easy	SP3065P
Display of 6 grey Tempo Easy	SP3066P

VERY HIGH PRECISION MEASUREMENTS

- Infrared technology
- Instant reading

HANDY & EASY TO USE

- Non-contact (distance 3-5 cm)
- 32 memories
- 3 reading modes: body, surface and ambient

ADDITIONAL INFORMATION

- Supplied with two LR6 batteries (AA)

GUARANTEE
2 YEARS

TEMPO PRO

Quick & efficient



DESIGNATION	REF.
Tempo Pro	SP3110
Display of 6 Tempo Pro thermometers	SP3110P

VERY HIGH MEASUREMENT ACCURACY

- Infrared technology
- Instant measurement

HANDY & EASY TO USE

- Contactless (distance of 3 cm)
- Lightweight and compact
- 30 memories
- Low battery indicator
- Three colour temperature indicator

ADDITIONAL INFORMATION

- Supplied with two LR06 (AA) batteries

GUARANTEE
2 YEARS



TEMPO DUO

The Tempo Duo allows ear and forehead temperatures to be taken using infrared rays.

DESIGNATION	REF.
Tempo Duo blue	SP3101/
Display of 6 blue Tempo Duo thermometers	SP3100P

HIGH PRECISION MEASUREMENTS

- Infrared technology
- Automatic calibration when using ear and forehead readings

HANDY & EASY TO USE

- Ear or forehead temperature measurement
- 10 memories
- Backlit display in 3-colour frontal mode according to values: green, orange, red

ADDITIONAL INFORMATION

- Supplied with two LR03 batteries (AAA)

GUARANTEE
2 YEARS



TEMPO DUO II

The tempo Duo II allows ear or forehead temperature measurement to fit perfectly a use at home

DESIGNATION	REF.
Tempo Duo II	SP3105
Display of 6 Tempo Duo II thermometers	SP3105P

VERY HIGH MEASUREMENT ACCURACY

- Infrared technology for skin contact
- Forehead to ear mode change at the touch of a button

HANDY & EASY TO USE

- Forehead or ear temperature measurement
- Backlit display with colours that change with the values
- 20 memories
- Low battery indicator

ADDITIONAL INFORMATION

- Supplied with two LR06 (AAA) batteries

GUARANTEE
2 YEARS



TEMPO 10 & TEMPO 10 FLEX

Tempo 10 & Tempo 10 Flex give a body temperature reading in 10 seconds.



COLOUR	REF.
Tempo 10 - Blue	SP1620/
Tempo 10 Flex - Green	SP1643/
Tempo 10 Flex - Grey	SP1648

Display of 12 blue Tempo 10 thermometers	SP1623P
Display of 12 green Tempo 10 Flex thermometers	SP1644P
Display of 12 purple Tempo 10 Flex thermometers	SP1648P

HIGH PRECISION MEASUREMENTS

- Reading in 10 seconds
- High-precision sensor

HANDY & EASY TO USE

- Fever alarm
- Flexible tip (for Tempo 10 Flex models only)
- Stops automatically
- Water-resistant tip
- Memory of last reading taken

ADDITIONAL INFORMATION

- Supplied with a storage case and battery.

DIAGNOSIS & MEASUREMENT

GLUCOMETER



GUARANTEE
2 YEARS



CE
0537

GLUCOMETER

A complete glucometer kit for checking blood sugar levels in a doctor's office, in a collective setting or at home. Simple to use and able to quickly produce results, this kit is perfectly suited to the needs of healthcare professionals and patients.



Glucometer Kit
Ref. 745 000

This kit comprises:

- 1 SPENGLER TB100 glucometer with batteries
- 10 blood sugar test strips
- 10 lancets (30G)
- 1 control solution
- 1 self-piercing pen
- 1 carry bag
- 1 instruction book
- 1 measurement record book

MEASUREMENT ACCURACY AND MONITORING

- 300 saved memories
- Averages generated over 7/14 or 30 days

COMFORT AND EASE OF USE

- Low battery display
- Very little blood needed
- Results obtained after 5 seconds
- Automatic shutdown after 3 minutes
- Take anywhere carry bag

The sale of this medical equipment is reserved for healthcare institutions, doctors and doctors' offices.

GLUCOMETER ACCESSORIES



CE
0537

Strips
Ref. 745 010

SET OF 50 STRIPS

- Strips for TB100 glucometer
- For blood sugar tests on capillary blood



CE
0537

Self-piercing pen
Ref. 745 011

SELF-PIERCING PEN

- Self-piercing pen for use with lancets
- 6 positions of stick depth

GLUCOMETER ACCESSORIES



CE
0537

Control solution
Ref. 745 012



CE
0537

Lancets
Ref. 745 013

CONTROL SOLUTION

- 4ml flask for TB100 glucometer
- Use within 3 months of opening

SET OF 200 LANCETS

- Ultra fine single use sterile lancets (30G)
- Needle size = 0.298mm ~ 0.320mm
- Lancets for self-piercing pen

DIAGNOSIS & MEASUREMENT

STATIONS



4 VS MONITOR

Robust, ergonomic and easy to use, this vital sign monitor is designed for intensive hospital use.



DESIGNATION	REF.
4VS monitor PNI	551 600
4VS monitor PNI with wheel stand	551 600S
4VS monitor PNI + SpO ₂	551 601
4VS monitor PNI + SpO ₂ with wheel stand	551 601S
4VS monitor PNI + SpO ₂ + TEMP + ECG	551 603
4VS monitor PNI + SpO ₂ + TEMP + ECG with wheel stand	551 603S
The French trolley for 4VS	BDDSOCL01

HANDY & EASY TO USE

- Robust and easy to use, perfectly suited to hospital use
- Fitted with a rechargeable battery with an autonomy of over 10h
- Memory making it possible to record over 3500 measurements
- Reading results is simplified thanks to the back lighting
- Programmable physiological alarm
- Optional roller wheel base
- Optional wall mount

HIGHLY ACCURATE MEASUREMENTS

- Using three measurement modes for infants, children and adults, the 4VS monitor is perfectly suited to all types of patient
- Measurement of 4 vital signs:
 - Blood pressure
 - Oxygen saturation
 - Temperature
 - ECG
- An extensive choice of cuffs: Neonate 6-11cm, Pediatric 18-26cm, Adult 27-35cm, Large adult 32-43cm
- 3 SpO₂ sensors: Adult, pediatric and Neonate

GUARANTEE
2 YEARS



SPOT CHECK 2 VS

Its compact size makes the 2 VS diagnosis station the perfect instrument for medical cabinets and small hospitals.



DESIGNATION	REF.
Diagnostic Spot-Check 2VS NIBP	546 000
Diagnostic Spot-Check 2VS NIBP + SpO ₂	546 001
Diagnostic Spot-Check 2VS NIBP with wheel stand	546 002
Diagnostic Spot-Check 2VS NIBP + SpO ₂ with wheel stand	546 003
Wheel stand for Spot-Check 2VS	546 024

HANDY & EASY TO USE

- Both small and lightweight, the SPOT-CHECK 2 VS station is easy to carry
- Fitted with a high autonomy, rechargeable battery to carry it with you risk-free.
- Memory making it possible to record measurements for 100 patients
- Reading results is simplified thanks to the large screen.
- Optional roller wheel base

HIGHLY ACCURATE MEASUREMENTS

- Using three measurement modes for infants, children and adults, the SPOT-CHECK 2 VS monitor is perfectly suited to all types of patient
- Blood pressure and oxygen saturation measurement.
- An extensive choice of cuffs: Neonate 6-11, Pediatric 10-19, small adult 18-26cm, Adult 21-35cm, 27-42cm, Large adult 27-42cm and Extra large adult 40-48cm
- 3 SpO₂ sensors: Adult, pediatric and Neonate

ACCESSORIES FOR 4VS

SpO₂ sensors

SpO ₂ adult sensor for 4VS monitor	551 630A
SpO ₂ pediatric sensor for 4VS monitor	551 631P
SpO ₂ neonate sensor for 4VS monitor	551 632N

Cuffs

Neonat cuff 6-11cm for 4VS monitor	551 620
Pediatric cuff 18-26cm for 4VS monitor	551 621
Adult cuff 27-35cm for 4VS monitor	551 622
Large adult cuff 32-43cm for 4VS monitor	551 623
NIPB tubing 2,5m for 4VS monitor	551 624

Wheel stand and wall bracket

Wheel stand for 4VS monitor	551 610
The French trolley for 4VS	BDDSOCL01
Wall bracket for 4VS monitor	551 611

Accessories

Charging cable EU standard for 4VS monitor	551 640
Lithium battery for 4VS monitor	551 641
Thermal recorder for 4VS monitor	551 642
Pack of 4 rolls of recording paper	551 643
Infrared thermometer for 4VS monitor	551 644

ACCESSORIES FOR SPOT CHECK 2 VS

SpO₂ sensors

SpO ₂ sensor adult for Spot-Check 2VS	546 010
SpO ₂ sensor pediatric for Spot-Check 2VS	546 011
SpO ₂ sensor neonate t-type for Spot-Check 2VS	546 012

Cuffs

Neonate cuff 6-11cm for Spot-Check 2VS	546 016
Pediatric cuff 10-19cm for Spot-Check 2VS	546 017
Small adult cuff 18-26cm for Spot-Check 2VS	546 018
Adult cuff 21-35cm for Spot-Check 2VS	546 019
Large adult cuff 27-42cm for Spot-Check 2VS	546 020
Extra large adult cuff 40-48cm for Spot-Check 2VS	546 021

SPARE PARTS



MANUAL SPHYGMOMANOMETERS

		CUFF-MOUNTED VAQUEZ-LAUBRY®			HAND-HELD LIAN®				MOBI	LARGE DIALS
		Classic®	Clinic®	Nano®	Classic®	Nano®	Métal®	NM®	<i>Mobi</i>	Maxi+3 Maxi+2
Bulbs & valves (6-pack)	Classic® black bulbs/Classic® valves	311 014	-	-	-	-	-	-	-	311 014
	Classic® blue bulbs/Classic® valves	311 015	-	-	-	-	-	-	-	-
	Standard black bulbs / standard valves	311 030	-	-	-	-	-	-	513 719	522 721
Bulbs only (6-pack)	Classic® black bulbs	311 110	311 110	311 110	311 110	-	-	-	-	311 110
	Black bulbs	311 130	-	-	-	311 141	311 140	-	-	-
Release valves (6-pack)	Metal Classic® valves	311 314	311 314	311 314	-	-	-	-	-	311 314
	Metal standard valves	311 315	311 315	311 315	-	-	-	-	-	-
Incised valves (20-pack)		515 805	515 805	515 805	515 805	515 805	515 805	515 805	-	-
Couplings	Female (manometer side)	-	-	-	316 151	316 136	316 136	316 136	-	-
	Male (cuff side)	-	-	-	316 152	316 135	316 135	316 135	-	-
	O-ring (female quick coupling)	-	-	-	312 002	312 002	312 002	312 002	-	-
	For Clinic® cuffs	-	-	-	-	316 152	<i>p. 130</i>	<i>p. 130</i>	-	-
Bladders	XL (20 x 38 cm)	-	-	-	-	314 490	314 490	314 490	-	-
	Large adult (16 x 32 cm)	314 500	-	314 500	314 200	314 700	314 700	314 700	-	-
	Adult (12 x 27 cm)	314 510	-	314 510	314 210	314 710	314 710	314 710	-	-
	Adult (12 x 22 cm)	314 010	-	-	-	-	-	-	-	-
	Child/Small adult (8 x 23 cm)	314 520	-	314 520	314 220	314 720	314 720	314 720	-	-
	Small child (6 x 18 cm)	-	-	-	314 230	314 430	314 430	314 430	-	-
	Neonate (4 x 12 cm)	-	-	-	314 240	314 440	314 440	314 440	-	-
Tubing	Black rubber single tube diam 3/7 mm (5 m)	515 270	515 270	515 270	520 541	515 270	515 270	515 270	-	-
	Small tube with an angle for bladders, before 2010	515 266	-	-	-	-	-	-	-	-
	Black spiral (48 turns/3m extension)	-	-	-	-	-	-	-	-	522 720 515 270
Manometers									513 702M (carbon) 513 700M (blueberry) 513 703M (pink) 513 701M (coral red)	-
	Dials 0 to 300 mmHg	310 011	310 004	310 023	310 030	310 065	310 045	310 040		
Spoon									513 722 (carbon) 513 721 (blueberry) 513 723 (pink) 513 724 (coral red)	-
		-	-	-	-	-	-	-		

MAINTENANCE SERVICES FOR YOUR SPHYGMANOMETERS

Service package aneroid sphygmomanometers (Vaquez-Laubry®, Lian®, Mobi, Maxi +2 & Maxi+3)	Verification package, i.e.: precision and leak testing, calibration and testing. (parts and labour quote upon receipt of article).	915 004
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CUFFS

(SUPPLIED WITH RUBBER BLADDER)

CUFF-MOUNTED VAQUEZ-LAUBRY®

Cuffs for Vaquez-Laubry® Classic

CUFF SIZE	TYPE	COLOUR	REF.
Large adult (L)	Cotton - Velcro	● Navy blue	330 002
Adult (M)	Cotton - Velcro	● Grey	330 011
		● Navy blue	330 012
		● Red	330 013
	Cotton - Straps	● Navy blue	330 112
		● Red	330 113
Child (S)	Cotton - Velcro	● Grey	330 021

Cuffs for Vaquez-Laubry® Nano

CUFF SIZE	TYPE	COLOUR	REF.
Large adult (L)	Nylon - Velcro	● Black	330 200
Adult (M)	Nylon - Velcro	● Black	330 210
Child (S)	Nylon - Velcro	● Black	330 220

Cuffs for Vaquez-Laubry® Clinic®

CUFF SIZE	TYPE	COLOUR	REF.
Large adult (L)	Clinic® - Velcro	● Yellow	338 000
Adult (M)	Clinic® - Velcro	● Yellow	338 010
Child (S)	Clinic® - Velcro	● Yellow	338 020

HAND-HELD LIAN®

Cotton cuffs for Lian® Classic

CUFF SIZE	TYPE	COLOUR	REF.
Large adult (L)	Cotton - Velcro	● Grey	332 001
Adult (M)	Cotton - Velcro	● Grey	332 011
		● Navy blue	332 012
Child (S)	Cotton - Velcro	● Cartoon	332 029
Small child (XS)	Cotton - Velcro	● Cartoon	332 039
Neonate (XXS)	Cotton - Velcro	● Cartoon	332 049

HAND-HELD LIAN®

Cuffs with couplings for Lian®

Cotton - Velcro

CUFF SIZE	COLOUR	REF.
Pack of 3 cuffs (S, XS, XXS)	● Cartoon	334 150
Large adult (L)	● Grey	336 401
	● Navy blue	336 402
	● Red	336 403
	● Grey	336 411
Adult (M)	● Navy blue	336 412
	● Red	336 413
	● Cartoon	334 129
Child (S)	● Cartoon	334 129
Small child (XS)	● Cartoon	334 139
Neonate (XXS)	● Cartoon	334 149

Cuffs with couplings for Lian®

Nylon - Velcro

CUFF SIZE	COLOUR	REF.
Pack of 4 cuffs (XL, L, M, S)	● Grey	334 125
Extra large (XL)	● Grey	334 191
Large adult (L)	● Grey	334 101
Adult (M)	● Grey	334 111
Child (S)	● Grey	334 121

Supplied with TPU bladder:

Large adult (L)	● Black	334 106
Adult (M)	● Black	334 116
Child (S)	● Black	334 126

Clinic® cuffs for Lian®

Clinic® - Velcro

CUFF SIZE	COLOUR	REF.
Pack of 3 cuffs (L, M, S) with coupling et clamp	● Yellow	337 849
Large adult (L)	● Yellow	337 841
Adult (M)	● Yellow	337 843
Child (S)	● Yellow	337 845
Small child (XS)	● Yellow	337 846

LARGE DIALS

Cuffs for Maxi+2®

With dual tube bladder (60 cm and 10 cm with male screw-on metal connector).

CUFF SIZE	TYPE	COLOUR	REF.
Large adult (L)	Nylon - Velcro	● Grey	335 201
Adult (M)	Nylon - Velcro	● Grey	335 211
Child (S)	Nylon - Velcro	● Grey	335 222

With dual tube bladder (60 cm and 10 cm tube + bulb + Classic valve + male screw-on metal connector).

CUFF SIZE	TYPE	COLOUR	REF.
Large adult (L)	Nylon - Velcro	● Grey	335 101
Adult (M)	Nylon - Velcro	● Grey	335 111
Child (S)	Nylon - Velcro	● Grey	335 121

Cuffs for Maxi+3

CUFF SIZE	TYPE	COLOUR	REF.
Large adult (L)	Nylon - Velcro	● Grey	522 712
Adult (M)	Nylon - Velcro	● Grey	522 711
Child (S)	Nylon - Velcro	● Grey	522 713

CLINIC® CUFFS

Clinic® cuffs with single tubing clamp











TYPE OF COUPLING	L (27-37 cm)	M (20-28 cm)	S (13-21 cm)	XS (11-18 cm)	COUPLING ONLY
	337 849 (Pack of Clinic® cuffs) L, M, S				316 151
	337 841	337 843	337 845	337 846	
	337 850	337 852	337 855	337 856	316 152
	337 860	337 862	337 864	337 866	316 162
	337 881	337 883	337 885	337 886	316 163
	337 877 (Pack of Clinic® cuffs) L, M, S				316 172
	337 870	337 872	337 874	337 876	
	337 890	337 891	337 892	337 893	552 931
	337 820	337 821	337 822	337 823	316 182

Clinic® cuffs with double tubing clamp


















TYPE OF COUPLING	L (27-37 cm)	M (20-28 cm)	S (13-21 cm)	XS (11-18 cm)	COUPLING ONLY
	337 950	337 951	337 952	337 953	316 151
	337 350	337 351	337 352	337 353	316 151 316 152
	337 960	337 961	337 962	337 963	316 152
	337 970	337 972	337 974	337 976	316 172



STETHOSCOPES

		Magister® Adult	Magister® Pediatric	Laubry®	Laubry Clinic®	Pulse® & Dual Pulse®
Ear tips		506 920	506 920	506 920	506 921	506 920
Tubing	Black 	507 900	507 900	507 910	-	507 910
	Navy blue 	507 902	-	507 912	-	507 912
	Sky blue 	507 901	507 901	507 911	-	507 911
	Red 	507 909	-	507 924	-	507 924
	Pink 	507 905	507 905	-	-	-
	Orange 	507 908	-	-	-	-
	Yellow Clinic® 	-	-	-	507 929	-
	Grey 	507 897	-	-	-	507 913
	Pink bougainvillea 	507 898	-	-	-	507 915
Green lagoon 	507 899	-	-	-	507 918	
Diaphragm + Rings	for adult chestpiece:	507 930 (black ring) 507 931 (grey ring)	-	507 936 (black ring)	507 936 (black ring)	507 937 (grey ring)
	for pediatric chestpiece:	-	507 932 (black ring) 507 933 (grey ring)	-	-	-
Non-chill ring	for chestpiece with a bell part:	507 940 (grey)	507 943 (grey)	-	-	507 940 (grey) 507 941 (black)
		507 941 (black)				

STETHOSCOPES

		Cardio Prestige II	Magister II	Pulse II	Dual Pulse II
Ear tips	standard black 	-	506 900	506 900	506 900
	small black 	-	506 901	506 901	506 901
	standard blueberry 	-	-	506 902	506 902
	standard coral red 	-	-	506 903	506 903
	standard powdery pink 	-	-	506 904	506 904
	standard nano silicon 	506 905	-	-	-
	small nano silicon 	506 906	-	-	-
Binaural and tubing	binaural anodized aluminium + black shiny tubing	-	-	506 980	506 980
	binaural brushed aluminium + black mat tubing	-	506 981	-	-
	binaural black mat + black mat tubing	-	506 982	-	-
	binaural + large black mat tubing	506 983	-	-	-
Diaphragm	diaphragm supreme plastic	-	-	507 973	507 973
	diaphragm pediatric supreme plastic	-	-	507 974	-
	Floating diaphragm fibreglass	507 976	507 975	-	-
	Floating diaphragm fibreglass for small bell	507 977	507 975S	-	-
Rings	bell chestpiece blueberry ring 	-	-	-	507 944
	bell chestpiece coral red ring 	-	-	-	507 945
	bell chestpiece black ring 	507 971	507 948	-	507 946
	bell chestpiece powdery pink ring 	-	-	-	507 947
	black ring 	507 972	507 970	-	-
	adult chestpiece blueberry ring 	-	-	507 944B	507 944B
	adult chestpiece coral red ring 	-	-	507 945B	507 945B
	adult chestpiece black ring 	-	-	507 946B	507 946B
	adult chestpiece powdery pink ring 	-	-	507 947B	507 947B
	large pediatric chestpiece green ring 	-	-	507 983	-

ELECTRONIC BLOOD PRESSURE

CUFFS

Cuffs for Autotensio® and Tensonic® upper-arm

CUFF SIZE	COLOUR	REF.
Large adult (XL) (32-48 cm)	● Grey	527 465
Adult/Large adult (ML) (22-42 cm)	● Grey	527 464
Small adult/Child (S) (16-24 cm)	● Grey	527 462

Cuffs for ES-60®

CUFF SIZE	COLOUR	REF.
Large adult (L) (32-42 cm)	● Grey	550 610
Adult (M) (22-32 cm)	● Grey	550 611
Small adult/Child (S) (17-22 cm)	● Grey	550 612

POWER ADAPTOR

For Autotensio® and Tensonic® upper-arm

DESIGNATION	REF.
Power adaptor for upper-arm blood pressure monitors Autotensio® and Tensonic®	527 184

CONNECTORS

	SPG400 / EFFItens® (Large cuff)	Autotensio® / Tensonic®
Connector on cuff	527 192	527 193

MAINTENANCE SERVICES FOR YOUR SPHYGMANOMETERS

Service package electronic BPM (ES-60®, Autotensio®, Tensonic®, PRO M, PRO H, Suntech® 247™, CT40).	Calibration package: precision control (excluding calibration, parts and labour quote upon receipt of the article).	915 005
Portable micromanometer	Supply of an electronic manometer	925 006

OXYMETRY

	Master Palm 2®	Master Palm 3®
SpO2 extension cable (2 m)	222 237	222 237
Lithium battery (LB-03, 3.7V, 1600mAh)	223 008	223 008

ENT & OPHTHALMOLOGY

		OTOSCOPES			PEN LIGHT	FOREHEAD MIRRORS
		SmartLight	SmartLed	SmartLed 5500/5500-R	Litestick	Clar
Spare head F/O LED	Black ●	-	-	570 518	-	-
	Blueberry ●	-	-	570 518B	-	-
	Coral Red ●	-	-	570 518C	-	-
	Pediatric ●	-	-	570 518P	-	-
Spare handle	Black ●	-	-	570 519	-	-
	Blueberry ●	-	-	570 519B	-	-
	Coral Red ●	-	-	570 519C	-	-
	Pediatric ●	-	-	570 519P	-	-
Charging dock	-	-	579 534	-	-	
Light bulbs	570 316 (Halogen)	570 515 (LED)	-	570 690 (LED)	570 155 (LED)	
Magnifying glass	Rotating magnifying glass and screw	570 512	570 512	-	-	
Power	Rechargeable battery	-	570 593	-	-	
Mirrors	Mirror kit and mirror holder	-	-	-	-	570 156
	Mirror only	-	-	-	-	570 104



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