

EASY PUMP® DUAL PNEUMATIC TOURNIQUET

TECHNICAL SHEET

NEW

The new tourniquet from DDM, the **Easy Pump® Dual New Generation**, the only electronic pneumatic tourniquet manufactured in France!



1. Front view



2. Rear view



3. Three-quarter to the left view

TECHNICAL SPECIFICATIONS

HOUSING FEATURES	Material	ABS
	Density	1,112 g/cm ³
	Shock resistance	>25 KJ/m ²
	Fire resistance	UL94 V-0
	Hardness (shore D)	78
DIMENSIONS	Housing	250(H) x 300(W) x 190(D) mm
	Screen (mm)	153(W) x 85(H) mm
WEIGHT	5,5kg	
LINE	Voltage	100-240 VAC
	Frequency	50-60 Hz
	Power take-off	60 VA
POWER	Pulsed power supply	Input: 90-264 Vac, 47-63 Hz, 1.8- 1A Output: 15Vdc, 4A
FUSES	Power board input	FST2AH/250V
	Power board output	F3.15AH/15V
	Battery	F8AH/12V
BATTERY	Refillable	
	Type	Pb
	Voltage	12 volts
	Amps	4000 mAh
	Loading time	8 h
	Autonomy	10 h
PUMP	Type	membrane
	Flow	4.6 l/min
PRESSURE	Unit	mmHg
	On duty	1.7 bar
	Adjustment range	0 to 600 mmHg
	Setting accuracy	± 1 mm Hg
	Display accuracy	± 5 mm Hg
	Alarm	Sound and visual
	Number of independent pressure circuits	2
TIMER	Unit	Minutes
	Alarm	Audible and visual programmable
CONNECTIONS	Pneumatic	2 CPC-type female couplers
	Electric	CEE22 connector
MAXIMUM SOUND LEVEL IN OPERATION	52Db	
STORAGE CONDITIONS	Temperature	-5° to 40°C
	Hygrometry	20 to 80%
USING CONDITIONS	Temperature	5° to 40°C
	Hygrometry	20 to 80%
	Atmospheric pressure	79.0 kPa to 106 kPa
	Maximum altitude	2000 m
CE MARKING	CE 0459, notified body: G-MED, MD Class: IIa	
ELECTRIC CLASSIFICATION	CLASS I device: To avoid the risk of electric shock, the electronic tourniquet must be connected only to a mains supply equipped with a protective earth conductor, using the 5-meter power cord supplied. It is forbidden to use a socket with multiple plugs or an extension cord.	

MAIN MATERIALS USED

The device consists of an ABS PC housing in which the components are fixed to a chassis and then secured to the housing. The materials of the main components are shown in the table below:



Identification of DM materials	Chemical name
Anti-UV anti-abrasion front panel film	X190 TREATED POLYESTER
Housing	Polycarbonate ABS (PC-ABS)
Chassis	Trovidur EC
Chassis support	Aluminum 5083
Tube to Tube fittings	Nylon
Tube (ref SI60)	Silicone
Lead battery	ABS (UK94 :HB)
Connector for equipotential links	Nickel-plated brass
Female connector	Acetal
CPC male connector	Acetal
Tube (ref 29)	PVC
Power board	-
Pump support	Galvanized steel
Pump vibration damper	Synthetic rubber (CR)
ON/OFF switch	Nylon 6.6 PC Copper alloy Silver alloy
Battery door	Aluminum 5083
Front female connector	Brass
USB connector cable	PVC

EASY PUMP Software

The software complies with the applicable requirements of NF EN 62304 and ISO 14971.

The EASY PUMP software developed by DESSILLONS & DUTRILLAUX operates the functional blocks of the G10904 pneumatic tourniquet and ensures its interface with the user.

Description	Reference
<i>Easy Pump Dual® Pneumatic Tourniquet</i>	G10904

DDM FRENCH QUALITY

CE mark 0459

Tourniquets are Class IIa medical devices. They comply with current European regulations.

Customer Technical Support Centre

GSH provides tourniquet maintenance and repair services. Contact our After-Sales Service on: +33 4 42 90 31 31.

Warranty

Tourniquets are guaranteed for 2 years (under normal conditions of use). The warranty does not cover faulty maintenance by the user.