

# TECHNICAL CHARACTERISTICS

**DDM** 



# ALLTIME®

WITH SOFTCUFF® OR EASYCUFF®

**CE**  
0459

MADE IN FRANCE

CT071 – V9 – 2023-01



DESSILLONS & DUTRILLAUX  
ZI La Tuque – 47240 Castelculier – France  
[www.ddmedical.fr](http://www.ddmedical.fr)  
[technique@ddmedical.fr](mailto:technique@ddmedical.fr)

Created in 1949 by Lucien Dessillons. Since its inception, DESSILLONS & DUTRILLAUX has been developing and manufacturing equipment for medical diagnosis, orthopedic surgery and medical resuscitation.

# 1. Summary

1.	SUMMARY.....	3
2.	DEVICE IDENTIFICATION .....	4
3.	REFERENCE .....	7
4.	INSTRUCTIONS FOR USE .....	10
5.	TERMS OF USE .....	10
6.	IDENTIFICATION AND CHARACTERISTICS OF THE DIFFERENT SUB-ASSEMBLIES .....	11
7.	MAINTENANCE .....	13
8.	CLEANING AND DECONTAMINATION .....	14
9.	STORAGE .....	15
10.	CONDITIONING .....	15
11.	SECURITY, RELIABILITY, COMPATIBILITY AND WARRANTY .....	15

## 2. Device identification

The aneroid blood pressure monitor is a medical device that measures blood pressure using a cuff.

The mano-pear type sphygmomanometer with aneroid membrane, very light.

This precision pressure gauge graduated from 0 to 300 mmHg is fixed on an anodized aluminum valve, equipped with a pressure relief wheel.

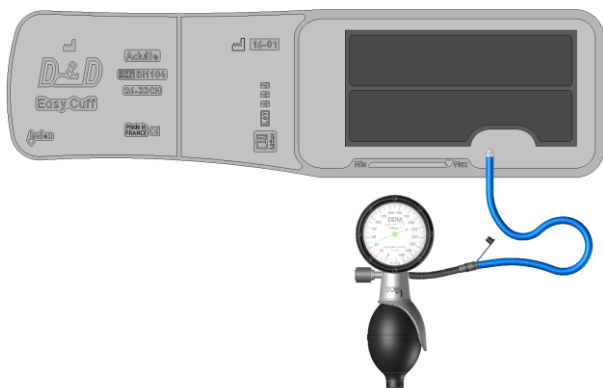
The reading of the measured values is facilitated by the size of the dial. Guaranteed accuracy of  $\pm 3$  mm over the entire measuring range.

The device is available in 6 references:

- ALLTIME® with aluminium case only.
- ALLTIME® with aluminium case with EASYCUFF® cuff.
- ALLTIME® with aluminium case with SOFTCUFF® cuff.
- ALLTIME® with ABS case only.
- ALLTIME® with ABS case with EASYCUFF® cuff.
- ALLTIME® with ABS case with SOFTCUFF® cuff.



ALLTIME®





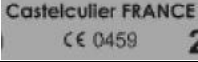

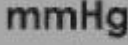

ALLTIME® with EASYCUFF®





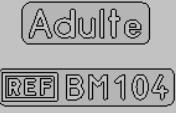

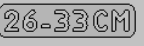
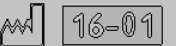





ALLTIME® with SOFTCUFF®

### Indication on the device:














ALLTIME®

	Measuring range 0-300 mmHg
	Product brand
	Manufacturer's address
	See instructions for use
	Unit of measurement
	Serial Number

EASYCUFF®

	Index position indication
	Product brand
	Product name and part number
	Product origin marking
	Range of use of the product
	Date of manufacture
	See instructions for use
	Latex Free
	Batch number
	Range of validity of use of the product
	Artery placement indication

SOFTCUFF®

	Index position indication
	Product brand
	Batch number on the bladder
	Product name and part number
	Range of use of the product
	Product origin marking
	Range of validity of use of the product
	Artery placement indication
	Machine wash at 60°C maximum
	Do not use a whitener
	Do not iron
	Latex Free
	Can be dry cleaned with all solvents

### 3. Reference

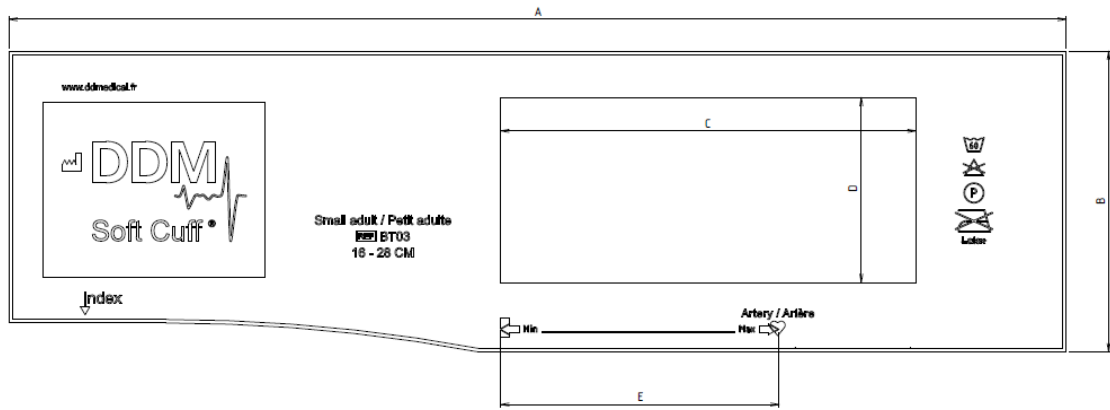
**ALLTIME® reference with aluminium body and aluminium case and SOFTCUFF® or EASYCUFF®:**

Designation	Reference with SOFTCUFF® cuff	Reference with EASYCUFF® cuff
Pressure gauge alone	A10370	
Infant	TS50001	TI50001
Child	TS50002	TI50002
Small adult	TS50003	TI50003
Adult	TS50004	TI50004
Adult L	TS50005	TI50005
Adult thigh	TS50006	TI50006
Manometer with 3 cuffs	TS53000	TI53000

**ALLTIME® reference with aluminium body and ABS case and SOFTCUFF® or EASYCUFF® :**

Designation	Reference with SOFTCUFF® cuff	Reference with EASYCUFF® cuff
Pressure gauge alone	A10371	
Infant	T60001	TI60001
Child	T60002	TI60002
Small adult	T60003	TI60003
Adult	T60004	TI60004
Adult L	T60005	TI60005
Adult thigh	T60006	TI60006
Manometer with 3 cuffs	T63000	TI63000

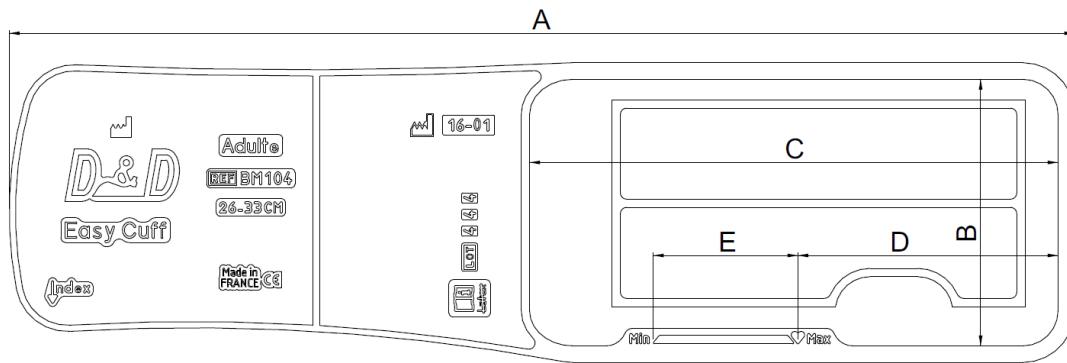
**Reference and size of SOFTCUFF® cuffs:**



Reference	Designation	Exit	Circumference in cm		Dimensions in mm					Tube color
			Min.	Max.	A	B	C	D	E	
BT101A11313	Infant size cuff	1	6	12	173	55	95	40	43	GREY
BT102A11313	Child-size cuff	1	11	22	348	97	180	80	85	GREY
BT103A11313	Small adult size cuff	1	16	28	458	130	230	110	120	GREY
BT104A11313	Adult size cuff	1	26	33	528	149	260	129	70	GREY
BT105A11313	Large adult size cuff	1	33	41	633	174	330	150	75	GREY
CT104A11313	Adult lower limb cuff	1	39	55	828	214	440	190	145	GREY



**Reference and size of EASYCUFF® cuffs:**



Reference	Designation	Exit	Circumference in cm		Dimensions in mm					Tube color
			Min.	Max.	A	B	C	D	E	
BM101A11313	Infant size cuff	1	6	12	170	40	95	47,5	43	WHITE
BM102A11313	Child-size cuff	1	11	22	338	80	180	90	85	ROSE
BM103A11313	Small adult size cuff	1	16	28	423	110	230	115	120	PARMA
BM104A11313	Adult size cuff	1	26	33	516	129	256	129	70	SKY BLUE
BM105A11313	Large adult size cuff	1	33	41	616,8	150	330	165	80	TURQUOISE
CM104A11313	Adult lower limb cuff	1	39	55	816,5	190	440	220	160	VIOLET

## 4. Instructions for use

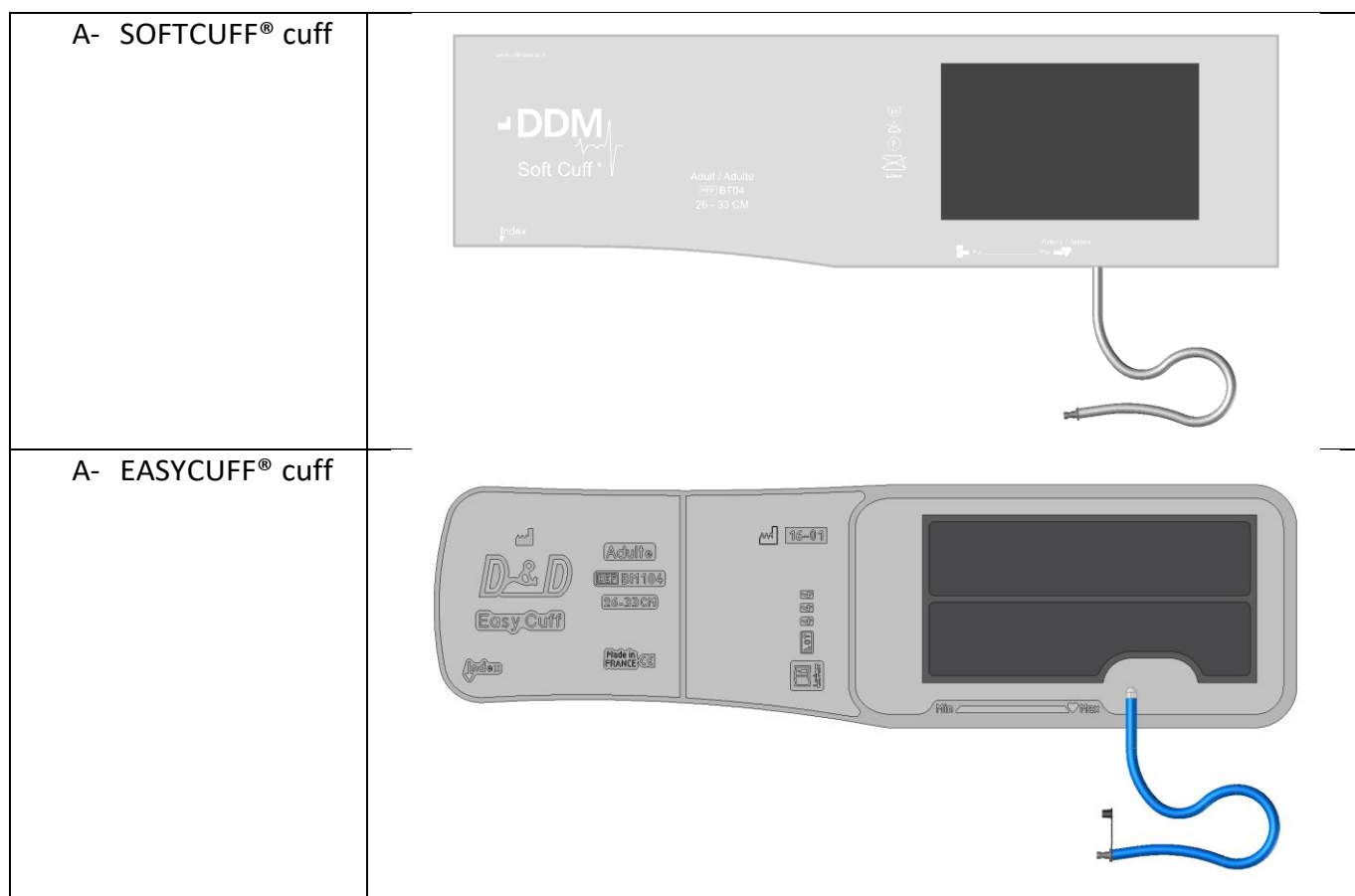
- It is imperative that the cuff has the right connectors for the blood pressure monitor.
- Select a cuff adapted to the patient's morphology. The size and range of use are indicated on the cuff.
- Position the center of the bladder represented by a heart on the axis of the humeral artery.
- Wrap the cuff around the limb.
- Once the cuff is positioned and ready for use, the INDEX must be between the Min and the Max (heart axis). If the INDEX exceeds the Max index at the heart axis, replace the cuff with the larger size model. If the INDEX exceeds the Min index at the tip of the range, replace the cuff with the model of the smaller size.
- When the cuff and INDEX are correctly positioned the blood pressure measurement procedure can begin.
- Wrap the cuff properly around the limb and ensure its retention using the intended fastening system.
- Position the tips of the stethoscope lyre to your ears, the microphone in the listening position, just below the cuff, on the path of the artery.
- Ensure that the pear pressure relief screw is in the closed position and inflate to 30 or 40 mmHg above the assumed pressure. The blood no longer circulates at the microphone, no sound is audible to the stethoscope.
- Lightly unscrew the pear decompression screw to slowly reduce the inflation pressure and allow blood to flow again, the first beats are noticeable to the stethoscope.
- Read at this moment the pressure indicated by the manometer, this value corresponds to the maximum pressure or systolic pressure.
- Continue decompression, the beats perceived with the stethoscope amplify and then fade to become inaudible.
- Read at this time the indicated pressure, this reading corresponds to the minimum pressure or diastolic pressure.
- Unscrew the decompression wheel further to completely purge the remaining air in the bladder.
- Remove the cuff.

## 5. Terms of Use

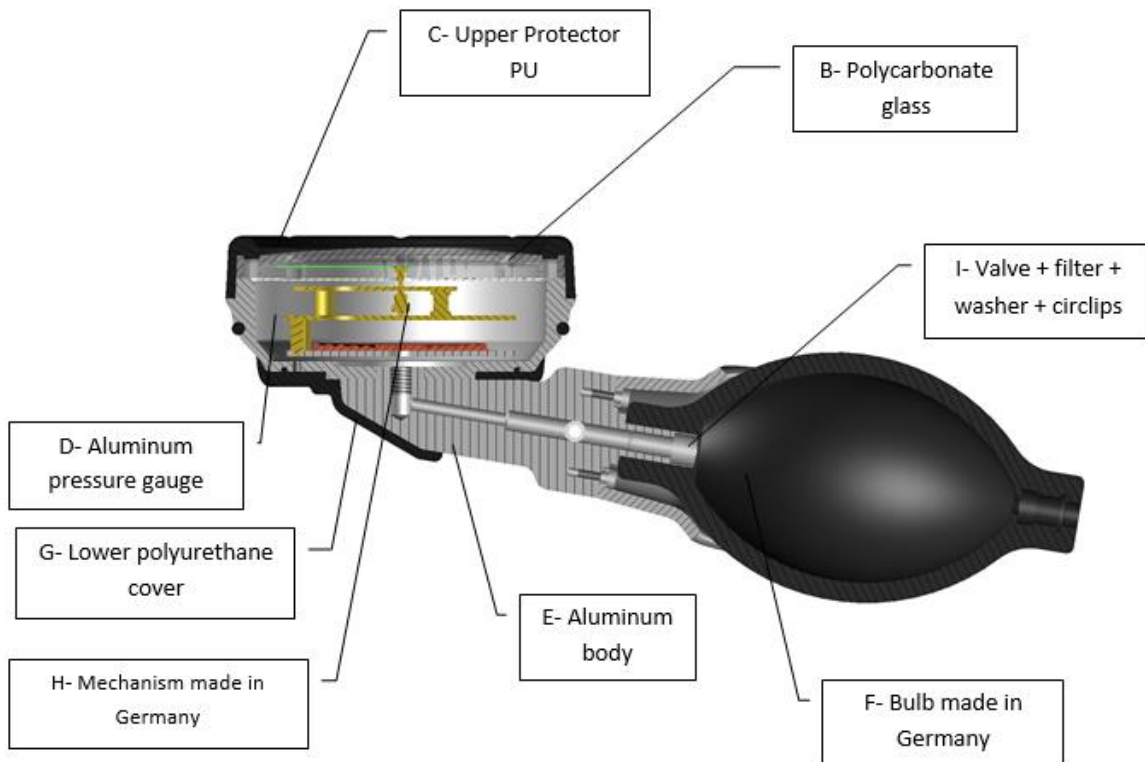
Ambient temperature	Relative humidity	Atmospheric pressure
+ 10° C to + 40° C	30% to 100%	700 hpA to 1060 hpA

## 6. Identification and characteristics of the different sub-assemblies

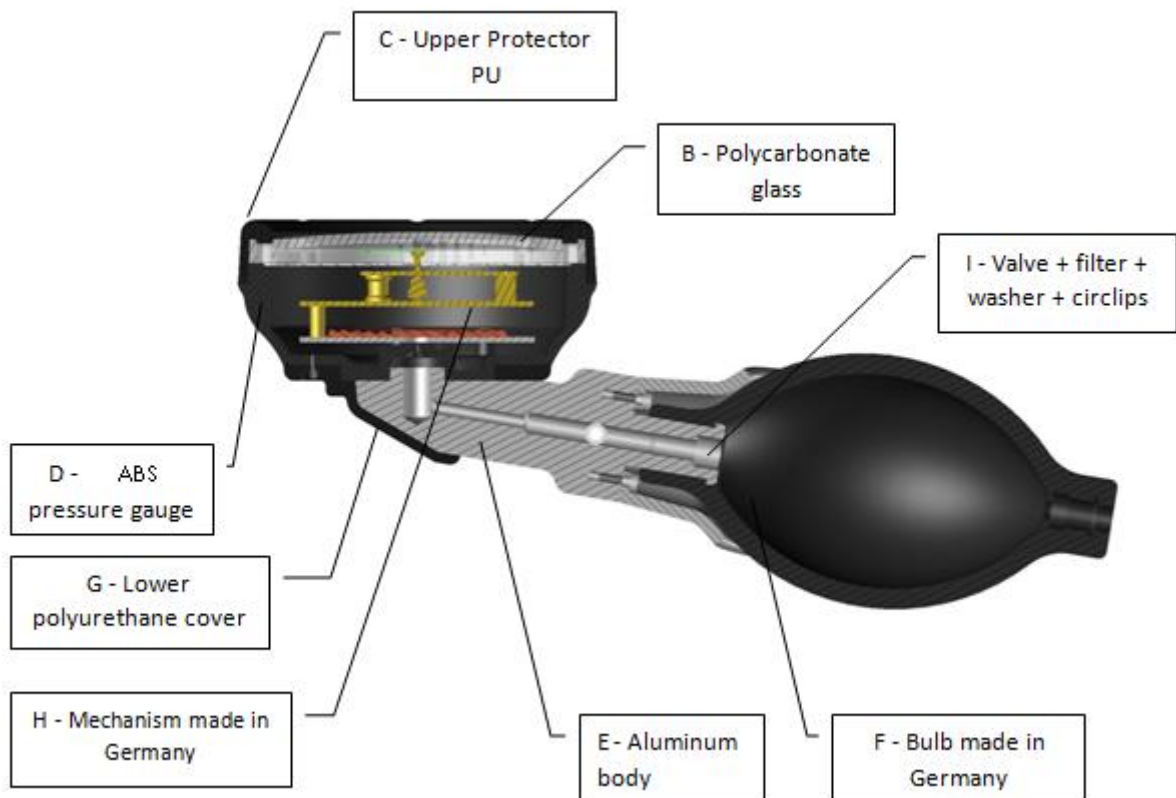
Identifier	Reference	Denomination	Characteristic
A	SOFTCUFF® cuff	Velcro cuff + bladder	Fabric with antibacterial coating and treatment and PU coated
A	EASYCUFF® cuff	Monobloc cuff	HF welded PU coated fabric
B	A10362	Glass	Polycarbonate
C	A10363	Upper pressure gauge protector	Polyurethane
D	A10364	Pressure gauge case	Aluminium
D	A10369	Pressure gauge case	ABS
E	A10365	Body	Aluminium
F	A10226	Inflation pear	Phthalate-free PVC
G	A10366	Lower pressure gauge protector	Polyurethane
H	A10367	Mechanism 0-300 mmHg	Brass
I	A10368	Valve + filter + washer + circlips	Silicone – polyamide – steel – steel



**ALLTIME® with aluminium body and aluminium case:**



**ALLTIME® with aluminium body and ABS case:**



## 7. Maintenance

- Calibration check every 12 months for the pressure gauge.
- Under no circumstances should a liquid penetrate inside the pneumatic part of the cuff, as this could partially or totally damage the electromedical device or manual measuring device to which the cuff is connected.
- In order to avoid any risk, we recommend DDM filling system: A11313 connector and cap.
- Under no circumstances should a tubing be "clamped" using pliers or other unsuitable instruments.
- Under no circumstances should the cuff be handled with any sharp object.
- Under no circumstances should the cuff be inflated without being wound and closed with the two Velcro parts on a round limb or tube without edges and sharp parts.

## 8. Cleaning and decontamination

EASYCUFF® and SOFTCUFF® are not sterilizable.

Reference	Dry cleaning	Immersion cleaning
A10370	X	
A10371	X	
EASYCUFF®	X	X
SOFTCUFF®	X	X

### a. Cleaning the pressure gauge

A	Spraying of decontaminating solutions. Do not use detergent, do not immerse.
---	--

### b. Dry cleaning SOFTCUFF® and EASYCUFF®

Recommended product: DETERQUAT / ANIOS.

A	Spray a detergent, disinfectant, bactericidal foam on the cuff, taking care to distribute the product well.
B	Leave on for 15 minutes.
C	Rinsing is useless, wipe with a single-use wipe.

### c. SOFTCUFF® immersion cleaning

Recommended product: ANIOS'CLEAN EXCEL D / STERANIOS.

A	Remove the bladder from the cuff.
B	Clean the cuff with water or in the washing machine at 40 ° (60 ° being the maximum), without spinning. The number of machine washes as well as the washing temperature reduces the duration of use of the cuff.

### d. EASYCUFF® immersion cleaning

Recommended product: ANIOS'CLEAN EXCEL D / STERANIOS.

A	Seal the tube(s) with the closure system provided: <ul style="list-style-type: none"><li>• Connector with cap: A11313</li></ul>
B	Immerse the tube and cuffs in a solution.
C	Immersion time: 15 minutes.
D	Rinse thoroughly with water, renewal of the soaking bath after each use.

## 9. Storage

Any cuff awaiting use must be kept under the conditions below:

Type of packaging	Local	Temperature	Humidity	Pressure
Origin	Ventilated room	+ 10° C to + 70° C	10% to 100%	500 hpA to 1060 hpA

## 10. Conditioning

References		Number of units per package
A10370		1
TS50001	TI50001	1
TS50002	TI50002	1
TS50003	TI50003	1
TS50004	TI50004	1
TS50005	TI50005	1
TS50006	TI50006	1
TS53000	TI53000	3
A10371		1
T60001	TI60001	1
T60002	TI60002	1
T60003	TI60003	1
T60004	TI60004	1
T60005	TI60005	1
T60006	TI60006	1
T63000	TI63000	3

## 11. Security, reliability, compatibility and warranty

### a. Security

DDM cuffs are made in accordance with European and National standards IEC 601-2/30.

DDM cuffs do not contain latex.

The class and type of protection against electric shock are also related to those of the electromedical device or manual device to which the cuff can be connected.

Cuffs can in no way be responsible for incidents occurring in the event of non-compliance with the rules of installation and use in this documentation.

Classification according to the recommendations of European Directive 93/42 Class I for cuffs and Class Im for the pressure gauge.

### b. Reliability

The performance of DDM cuffs is directly related to that of the electromedical or manual device to which they are connected. Failure to comply with the rules for the application of this documentation may lead to erroneous measures.

### **c. Compatibility**

DDM cuffs must be used with compatible connectors indicated by the manufacturer of the measuring medical device.

### **d. Guarantee**

The warranty assures the Customer who purchases a DDM medical device that if the medical device does not function as indicated in the instructions for use, it will be replaced or repaired.

The duration of this warranty is 24 months for the pressure gauge and 12 months for the cuffs.

The product must be used in accordance with the labelling, it must not have been modified or has been the subject of an accident or erroneous, abusive or inappropriate use.