





Medical diagnostic

Oximeters, electrocardiographs, EN
vascular and fetal doppler, defibrillators,
patient monitors, echographs.

Oxymètres, électrocardiographes, F
doppler vasculaire et foetal, défibrillateurs,
moniteurs patient, échographes

Oxímetros, electrocardiógrafos, ES
Doppler vascular y fetal, desfibriladores,
monitores de pacientes, ecografías.

Oxímetros, eletrocardiógrafos, doppler P
vascular e fetal, desfibriladores,
monitores de pacientes, ecográficos.

- EN Finger pulse oximeters
F Oxymètres de pouls
ES Pulsioxímetros de dedo
P Oxímetro de dedo

Adult

Cod. **LTD800**

LED display



Cod. **LTD805**

Rotating LCD display
with perfusion index



Pediatric

Cod. **LTD809**

Pediatric from 2 to 8 years.
Rotating display**



* Maximum opening W:2 cm H:2,7 cm

**The graphic subject varies according to availability

Simple, small, light-weight (50 gr. with batteries), easy to carry. Low battery signal. Automatic turning-off after 8 seconds without signal. Putting the finger in the sensor, the pulse oximeter will give you the oxygen saturation and the pulse rate in few seconds. 2 AAA batteries guarantee 30hrs measurements. A string to carry the device is provided. LTD805 and LTD809: pressing the on button you can rotate the display. Keeping it pressed you can adjust the display brightness.

Accessories included



Cod. **LDR196**
Rubber protective
cover for LTD800-
LTD805



Cod. **LDR194**
Rubber protective
cover for LTD809



String to carry

Optional accessories



Cod. **LDR195B** Blue
Cod. **LDR195R** Red
Cod. **LDR195V** Green

Padded and resistant cover for pulsioximeters.

Technical features

Product code	LTD800	LTD805
SPECIFICATIONS		
Display	LED	OLED
Batteries included	2 AAA alkaline batteries	
Parameters	SpO ₂ , pulse	SpO ₂ , pulse, SpO ₂ wave, tracing
Alarm	low battery indication	
SpO ₂		
Measurement range	70-100%	
Resolution	1%	
Accuracy	70% - 100%: ± 2% 0% - 69%: not specified	
PULSE RATE		
Measurement range	30-250 bpm	
Resolution	1 bpm	
Accuracy	30-99: ± 2 bpm 100-250: ± 2%	
WEIGHT AND DIMENSION		
 W:	5,8 cm	
 D:	3,2 cm	
 H:	3,3 cm	3,4 cm
 Weight	50g (with batteries) 40g (without batteries)	

Technical features

Product code	LTD809
SPECIFICATIONS	
Display	OLED
Batteries included	2 AAA alkaline batteries
Parameters	SpO ₂ , pulse, tracing
Alarm	low battery indication
SpO ₂	
Measurement range	70-100%
Resolution	1%
Accuracy	70% - 100%: ± 2% 0% - 69%: not specified
PULSE RATE	
Measurement range	30-250 bpm
Resolution	1 bpm
Accuracy	30-99: ± 2 bpm 100-250: ± 2%
WEIGHT AND DIMENSION	
W:	5 cm
D:	2,8 cm
H:	2,8 cm
Weight	45G (with batteries)

- EN** Hand type pulse oximeter with alarms and graphic trend
F Oxymètre de pouls avec alarmes et écran graphique
ES Pulsioxímetro portátil con alarmas y monitor de control
P Oxímetro de pulso palmar com alarmes e display gráfico

It can be connected to PC

Cod. LTD822 Hand type pulse oximeter with alarms, storage and graphic display. Visual and sound alarms can be set up. Sensor compatible BCI (disposable, without connector)

Cod. LTD823 Same characteristics as LTD822, internal mode and sensor NELLCOR OXIMAX (the sensor can be substituted with NELLCOR sensors only). Integrated temperature mode, probe included

Easy to read

Measurement trend visualization



Accessories included



Carrying bag



Cod. LDR200
1 adult clip sensor, for LTD822 only

Simple and light-weight, it's suitable for monitoring adult, children and newborn babies; in the LCD high resolution display, you can check last 10 minutes registration in graphic trend or in table mode. It is possible to record information up to 100 patients for 300 hours. This pulse oximeter is compatible with DB9 Nellcor and with BCI sensors and can be connected to computer with a special software (LTD825 not included).

Optional accessories

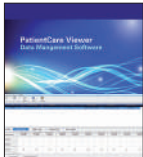
Cod. LTD822R Battery charger only for LTD822 with Battery included



Cod. LDR197B Blue
Cod. LDR197G Grey
Cod. LDR197V Green
 Silicone cover



Cod. LTD825 Software for memories management of LTD822 and LTD823. You can transfer the pulse oximeter records to your computer through the sensor connection and the cable included in the software. You can print the data tables on normal paper or create a PDF file.



Cod. LDR208 Rechargeable battery (not illustrated)

Technical features

REFERENCES		SATURATION	
Electric class	internal power source	Adult and pediatric	±2 (70-100%)
Safety	B class - BF type -IPX2	Newborn	±3 (70-100%)
SPECIFICATIONS		In movement	±3 (70-100%)
Display	LCD 128 x 64 dot-matrix	PULSE RATE	
Batteries included	4 AA 1.5V alkaline (compatible with rechargeable batteries)	Adult and pediatric	±3 bpm
Battery life	48 h continuously	Newborn	±3 bpm
Alarm	SpO ₂ - BMP	In movement	±5 bpm
Memory	100 patients, 300 h	Resolution	
RANGE		SpO ₂	1%
SpO ₂	0-100%	Bpm	1 bpm
BPM	25-300 BPM	WEIGHT AND DIMENSION	
		W:	D:
		H:	Kg
		7 cm	3,76 cm
		16 cm	165 g without batteries

- EN** Hand held pulse oximeter with alarms
F Oxymètre de pouls avec alarmes
ES Pulsioxímetro portátil con alarmas
P Oxímetro de pulso palmar com alarmes

It can be connected to PC - Colour display

Cod. **LTD821**



Technical features

SPECIFICATIONS	
Adult and pediatric	
Display	TFT da 2.4"
Battery - 3 AA alkaline batteries or NiMH batteries, or power adapter	
Autonomy	10 h continuously
Adjustable levels of video sound alarm and battery indicator	
Visualization of SpO ₂ , PR, wave form and pulse intensity	
72h memory	
MedView Software to analyse recorded data	
USB cable for the data transmission on PC	
Protection type: device with inner power source	
SpO ₂	
Visualization range	0% - 100%
Measurement range	70% - 100%
Resolution	1%
Accuracy	70% - 100%: ±2% 0% - 69%: not specified
PR	
Visualization range	0 - 254 bpm
Measurement range	30 - 250 bpm
Resolution	±2 bpm o 2%
PERFUSION INDEX	
Visualization range	0.1% - 20%
Accuracy	0.1% - 1%: ±0.2% 1.1% - 20%: 20%
WEIGHT AND DIMENSION	
W:	D:
H:	Kg
12,5 cm	6 cm
3 cm	141 g (without batteries)

Indicated for adult, paediatric and neonatal patients in hospitals and home care. 72-hour memory and 24-hour continuous working time.

Accessories included

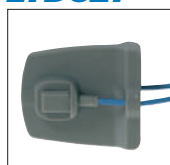
3 AA alkaline batteries (not illustrated)
 Adult clip sensor (not illustrated)
 CD Software (not illustrated)
 USB cable (not illustrated)

Optional accessories

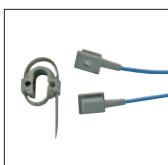
Cod. **LDR225**
Power adapter (not illustrated)
 Cod. **LDR226**
Battery charger stand (not illustrated)
 Cod. **LDR198**
Extension cable 2 m (not illustrated)

Sensors and cable for pulseoximeter

LTD821



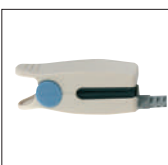
Cod. **LDR120 90 cm**
Soft adult sensor



Cod. **LDR125 90 cm**
Wraparound adult sensor



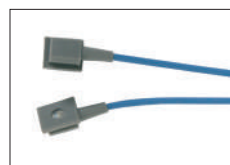
Cod. **LDR198 2 m**
Extension cable



Cod. **LDR105N 90 cm**
Adult hinged sensor
(LOT production after 02/2015)



Cod. **LDR115N 90 cm**
Pediatric hinged sensor
(LOT production after 02/2015)



Cod. **LDR135N 90 cm**
Neonate sensor Y type
(LOT production after 02/2015)

LTD822



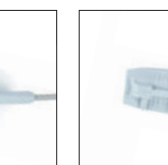
Cod. **LDR200 90 cm**
Adult hinged sensor



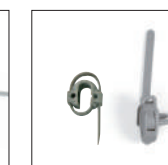
Cod. **LDR209 1,5 mt**
Extension cable for sensors



Cod. **LDR202 90 cm**
Soft adult sensor



Cod. **LDR203 90 cm**
Soft pediatric



Cod. **LDR204 90 cm**
Wraparound neonate sensor



Cod. **LDR206 1 mt**
Adult/pediatric lobe sensor

- EN** Ultrasonic pocket adult doppler
F Doppler à ultrasons de poche adulte
ES Doppler de ultrasonidos de bolsillo adulto
P Doppler de ultra-sons de bolso adulto

Cod. LTD100
 Sonotrax basic
 with 2Mhz probe

Cod. LTD101
 Sonotrax basic
 with 8Mhz probe

Cod. LTD110
 Sonotrax basic A
 with 2Mhz probe

Cod. LTD120
 Sonotrax pro with
 2Mhz probe



Accessories included



1 waterproof probe
 (specify the probe in
 the order)



1 Carrying bag

Optional accessories



Cod. LDR400/2
2Mhz
Cod. LDR400/3
3Mhz
 Waterproof fetal
 probes with deeper
 detection



Cod. LDR400/4
4Mhz
Cod. LDR400/8
8Mhz
 Waterproof vascular
 probes with lower
 detection

Compact, easy to use. Ergonomic design allows a probe and device simple handgrip. Waterproof and easy interchangeable probes. Automatic turn-off.

Technical features

Product code	LTD100	LTD101	LTD110	LTD120	Recording length	480s/240s
SPECIFICATIONS					Audio output power	0,5 W
Display	45 x 25 mm LCD				Auto shut-off	1 minute
Heart rate range	50 - 210 bpm				Battery	Battery / Rechargeable battery
Resolution	1 bpm				WEIGHT AND DIMENSION	
Audio sampling frequency	4KHz / 8 KHz				W:	8,5 cm
					D:	3,2 cm
					H:	13,8 cm
					Kg	290 g
MODELS COMPARISON						
Product code	LTD100 - BASIC	LTD101 - BASIC	LTD110 - BASIC A	LTD120 - PRO		
Interchangeable probe	YES	YES	YES	YES		
FHR (Fetal heart rate) display	YES	YES	YES	YES		
Audio recorder	NO	NO	NO	YES		
Backlight	NO	NO	YES	YES		
Probe auto-detection	YES	YES	YES	YES		
Battery status	NO	NO	YES	YES		
Low battery indication	YES	YES	YES	YES		

EN Electrocardiograph
F Électrocardiographe
ES Electrocardiógrafo
P Electrocardiógrafo

SE300 - 1/3 channel - Interpretation - Big colour display

Cod. **LTD405W**

CE
0123

Data transfer
through USB in DAT
and PDF format

For optional accessories
and technical features
see accessory page

Languages
available on
request:
English, French,
Spanish, Italian,
Russian,
Portuguese,
Polish, Czech,
Croatia, German,
Romanian

Colour display



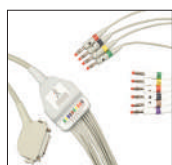
Left side connections

Right side connections

Compact, light, easy to carry thanks to a commode incorporated handle. Internal battery allows its use on any place. The heavy-duty external structure save the device from shocks. Easy to use thanks to a simple and intuitive software. Software (optional for the three channels model), allows data transfer and recording to the PC. Possibility to memory recall. Digital drift filters, AC and EMG.

Accessories included

Spare parts



Cod. **DRV2083/P**
1 patient cable



1 electrode set



1 standard power
cable



Cod. **DRV1521**
Thermal paper



Cod. **DRV1800**
1 gel - 260 g

Cod. **DRV2084**
Rechargeable battery
(not illustrated)

Technical features

GENERAL INFORMATION				
Easy to carry	Automatic ECG parameters and analysis			
Easy to use	Selectable printing format: 3 LEAD, RHYTM,3/2 LEAD, MANUAL ONE LEAD			
Lithium internal battery	100 patients data storage can be reviewed in PC (to be used with special software)			
Baseline automatic adjustable	Heart rate variability (HRV function)			
Thermal printer high resolution	WEIGHT AND DIMENSION			
192x64 pixels display LCD with waveform visualisation	 W:	 D:	 H:	
Baseline digital filters AC and EMG	30 cm	26 cm	8,5 cm	2,5 kg
Auto/manual operation selectable				(with batteries)
Lead-off cable detection				

ECG technical features, LTD400-405W

SPECIFICATIONS	LTD405W
Input circuit	Floating input circuit, protection from defibrillation and pace maker
Cable	standard 12 LEAD
Acquisition mode	12 leads simultaneously
A/D converter	12 bit
Measurement range	$> \pm 5\text{mVpp}$
Time constant	$> 3.2\text{ sec}$
Frequency Response	0,05Hz - 150Hz
Ecg parameter and analysis	si
Memory	100 patients
Calibration voltage	$1\text{mV} \pm 3\%$
Sensitivity	2,5 - 5 - 10 - 20 (mm/mV)
Input impedance	$> 50\text{M}\Omega$
Input Circuit current	50nA
Noise level	$< 12,5\ \mu\text{Vp-p}$
Anti baseline drift	auto
Patient current leakage	$< 10\ \mu\text{A}$ (220V - 240V/Hz)
Patient auxiliary current leakage	$< 0,1\ \mu\text{A}$ (DC)
Filters	CA filter: On/Off DFT filter: 0.05/0.15/0.25/0.32/0.5/0.67Hz EMG filter: 25Hz/35Hz/45Hz/OFF Low Pass filter: 150Hz/100Hz/75Hz
CMRR	$> 100\text{dB}$
Recording mode	Auto/manual
Rhythm lead	Any lead selectable
Lead selection	Auto/manual
Safety standard	IEC I/CF
Power supply	AC 100v-115v/220v-240v, 50/60Hz Built-in rechargeable Lithion battery
Printer	Thermal
Paper	80mm x 30m
Paper speed	5mm/s, 6,25mm/s, 10mm/s, 12,5mm/s, 25mm/s, 50mm/s $\pm 3\%$
Display	320x240 pixel LCD colour
Communication	RS232, USB, ETHERNET

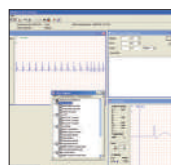
Optional accessories for Electrocardiograph



Cod. CO150
Aluminium trolley for ECG without cable pole, with fastening base. Specify during the order for which ECG you need the trolley

Cod. LDR354
Adaptor plate for ECG
(not illustrated)

Cod. CO156
Cable holder for CO150
(not illustrated)



Cod. LTD406
Software smart ECG viewer for PC visualization

EN Electrocardiograph
F Électrocardiographe
ES Electrocardiógrafo
P Electrocardiógrafo

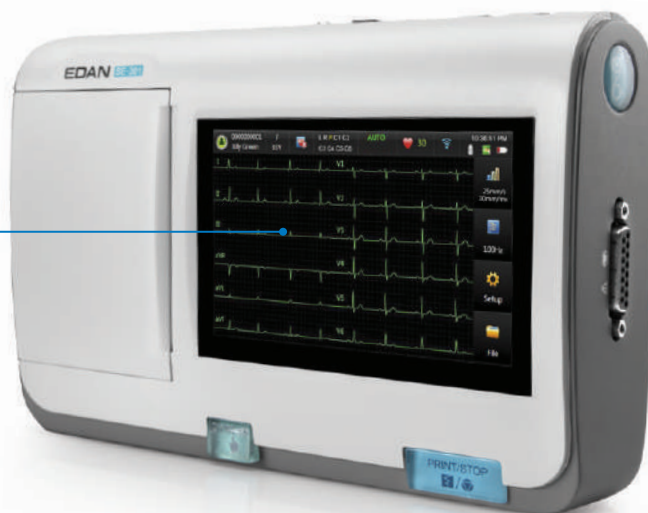
SE301 - 3 channels - Interpretation - Touch screen display

Cod. **LTD408**

CE
0123

For optional accessories
and technical features
see next page

Touch screen



Built-in thermal printer



Ultra-compact

Bi-directional connection ECG/Computer through software (optional). Pdf format reports export (optional). 12-lead simultaneous acquisition, sampling up to 120 seconds and 500 ECG recordings storage capacity. USB flash disk and micro SD card to extend memory (not included). Built-in rechargeable Li-ion battery. Possibility to connect to a scan barcode to obtain patient information (optional).

Accessories included



Cod. **DRV2085**
1 patient cable



1 electrode set



Cod. **DRV2086**
1 standard power
cable



Cod. **DRV1534**
Thermal paper



Cod. **DRV1800**
1 gel - 260 g

Spare parts

Cod. **DRV2084**
Rechargeable battery
(not illustrated)

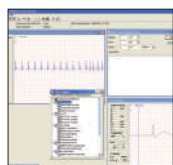
Technical features

GENERAL INFORMATION	
Internal Lithium battery	Sampling up to 120 seconds
Operating time about 8,5 hours	500 ECG recording storage capacity, (data transfer on PC through software)
Manual recording mode until 5 hours	12-lead simultaneous acquisition
500 ECG recordings storage capacity	
Possibility of External printer via USB port	
Possibility of barcode scanner connection	
Possible support USB flash disk and micro SD card to extend memory	
High resolution colour touch screen display 5"	
Complete digital filters	
WEIGHT AND DIMENSION	
W: 22,4 cm	D: 14,3 cm
H: 5,4 cm	1 kg (without battery and paper)

Technical features

REFERENCES			
Safety standard	IEC 60601-1:2005/A1:2012, EN 60601-1:2006/A1:2013, IEC/EN60601-1-2: 2007, EN60601-1-2:2007/AC:2010, IEC 60601-2-25:2011	Acquisition mode	Simultaneously 12 leads
Classification	Class I Anti-Shock level CF type	A/D Resolution	24 bit
SPECIFICATIONS		Time constant	$\geq 3.2s$
Working mode	Continuous	Frequency response	0.01Hz - 300Hz (-3dB)
EMC	CISPR 11 Group 1, Class A	Gain	2.5, 5, 10, 20, 10/5, 20/10 (mm/mV), AGC
Display	LCD 800x480 pixel	Input impedance	$\geq 50 \text{ Mohm}$ (10Hz)
POWER		Input circuit current	$\leq 0.01 \mu A$
Mains supply	Operating voltage = 100V-240V Operating frequency = 50/60Hz Output power adaptor = 19V, 2A	Input voltage range	$\leq \pm 5 \text{ mVpp}$
Built-in lithium battery	Rated output = 14.8 V Rated capacity = 2500 mAh Recharge time = $\leq 3,5$ ore Cycle life = ≤ 300 times	Calibration voltage	1mV $\pm 3\%$
Recording	Thermal	DC offset voltage	$\pm 600 \text{ mV}$
Recording paper	Thermal paper mm 80x20 mt	Noise	$\leq 12.5 \mu Vp-p$
Effective width	72 mm	Multichannel crosstalk	0,5mm
Paper speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s $\div 3\%$	Filter	AC Filter: On/Off DFT Filter: 0.01/0.05/0.25/0.5/0.32/0.67Hz EMG Filter: 25Hz/35Hz/45Hz/OFF Low-pass Filter: 300Hz/270Hz/150Hz/100Hz/75Hz
Accuracy of data	$\pm 5\%$ (x-axis), $\pm 5\%$ (y-axis)	CMRR	$\geq 140 \text{ dB}$ (CA On) $\geq 110 \text{ dB}$ (CA Off)
HR recognition	Technique Peak-peak detection	Sampling Frequency	16.000/sec/channel
HR range	30 BPM -300 BPM	PACEMAKER DETECTION	
Accuracy	$\pm 1 \text{ BPM}$	Amplitude	$\pm 2 \text{ mV} - \pm 700 \text{ mV}$
ECG Unit Leads	12 standard	Width	0,1 ms - 2,0 ms
		Sampling Frequency	16.000/sec/channel

Optional accessories for ECG



Cod. **LTD406**
Software smart
ECG viewer for PC
visualization

Cod. **LTR974**
Scan barcode
(not illustrated)

EN Electrocardiograph
F Électrocardiographe
ES Electrocardiógrafo
P Electrocardiógrafo

3/6 channels SE601 - With interpretation

Cod. **LTD445S**

Internal memory
up to 100 ECG



5.7" high resolution display

Data transfer
through USB in DAT
and PDF format

5.7" (320x240mm) display. It can show up to 12 leads; big alphanumeric keyboard and a wide internal memory for data record up to 100 ECG. Is it possible to create XML format ECG.

Accessories included



1 electrode set



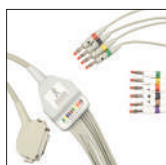
1 standard power
cable



Cod. **DRV1530**
Thermal paper
Z-fold



Cod. **DRV1800**
1 gel 260g



Cod. **DRV2083/P**
1 ECG cable

Rechargeable Li-ion
battery
(not illustrated)

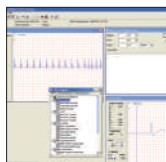
Optional accessories

Cod. **CO156**
Cable holder for
CO150
(not illustrated)



Cod. **CO150**
Aluminium trolley for
ECG without cable
pole, with fastening
base. Specify during
the order for which
ECG you need the
trolley

Cod. **LDR354**
Adaptor plate
for ECG (not
illustrated)



Cod. **LTD406**
Software smart
ECG viewer for PC
visualization

Technical features

REFERENCES	
Safety standard	IEC 60601-1 1988+A1+A2, EN 60601-1:1990+A1+A2, IEC/EN60601-1-2:2001+A1, IEC/EN60601-2-25, ANSI/AAMI EC-11
Classification	"I" class with internal power source Anti-Shock level CF type
SPECIFICATIONS	
Working mode	Continuous
EMC	"A" type
Display	LCD SNT 5,7" 320x240 pixel
POWER	
Mains supply	Rated input voltage =100V-240V Rated frequency = 50/60Hz Rated input power = 70VA
Built-in lithium battery	Rated capacity = 2500mAh When the capacity of battery is full, the electrocardiograph can work normally for nearly 5 hours; about 300 ECG of 3x4+1rhy can be recorded in the Auto Mode. Necessary Charge time: 5 hours Charge mode: Constant current/ voltage
Power consumption	70VA (max)
Fuse	T3.15AH250V Ø5x20
RECORDING	
Printer	Thermal dot-matrix recorder
Recording paper	Folded paper
Paper width	110mm
Effective width	104mm
Paper speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s ±3%
Accuracy of data	± 5% (x-axis), ± 5% (y-axis)
HR RECOGNITION	
HR recognition Technique	Peak-peak detection
HR range	30 BPM -300 BPM
ECG	
Accuracy	±1BPM
ECG unit	12 leads
Adquisition mode	simultaneously 12 leads
A/D resolution	24 bit
Time constant	≥3.2s
Frequency response	0.01Hz ~ 300 Hz (-3dB)
Gain	2.5, 5, 10, 20, 10/5, AGC (mm/mV)
Input impedance	100 MΩ (10Hz)
Input circuit current	≤10nA
Input voltage range	<±5 mVpp
Calibration voltage	1mV±2%
DC offset voltage	±600mV
Noise	<12.5 μ Vp-p
Multichannel crosstalk	≤0.5mm

Filter	AC Filter: On/Off DFT Filter: 0.01/0.05/0.15/0.25/0.32/0.5/0.67Hz EMG Filter: 25Hz/35Hz/45Hz/OFF Low-pass Filter: 300Hz/270Hz/150Hz/100Hz/75Hz		
CMRR	≥140dB (AC On) ≥123dB (AC Off)		
Sampling Frequency	1000Hz		
Patient leakage current	<10 μ A(AC) / <10 μ A(DC)		
Patient auxiliary current	<10 μ A(AC) / <10 μ A(DC)		
Dielectric Strength	4000V rms		
External Input/Output (Optional)			
Input	≥100k Ω; Sensitivity 10mm/V±5%; Single ended		
Output	≤100 Ω; Sensitivity 1V/mV±5%; Single ended		
GENERAL INFORMATION			
USB port for data patient transmission			
RJ45 and Rs-232 port for data transmission to PC			
Rechargeable Li-ion battery			
Single button for sampling, analyzing, printing and storage			
Standby mode for saving energy and extending LCD life			
Various printing formats			
HRV digital filters			
Automatic arrhythmia detection and recording			
Self measurement			
Accurate ECG interpretation with software SEIMP			
Heart rate variability analysis			
Multi-language support			
12-lead are gathered and amplified simultaneously, 6-Channel ECG waves are displayed and recorded simultaneously			
High resolution thermal recorder, recording frequency response ≤150Hz			
Flexible recording formats			
Big keyboard design, separate number and letter keys for easy operation			
Auto mode, manual mode, rhythm mode, R-R mode optional			
Convenient system setup and file management operation			
Auto measurement and auto interpretation optional			
Hint information for lead off, lack of paper and low battery capacity etc.			
Support Period Print and Arrhythmia Triggered Print			
LCD Backlight Auto turn-off , Auto Power-off function and			
WEIGHT AND DIMENSION			
 W:	 D:	 H:	
31 cm	32,2 cm	10,1 cm	2,6 kg (without batteries)

EN Electrocardiograph
F Électrocardiographe
ES Electrocardiógrafo
P Electrocardiógrafo

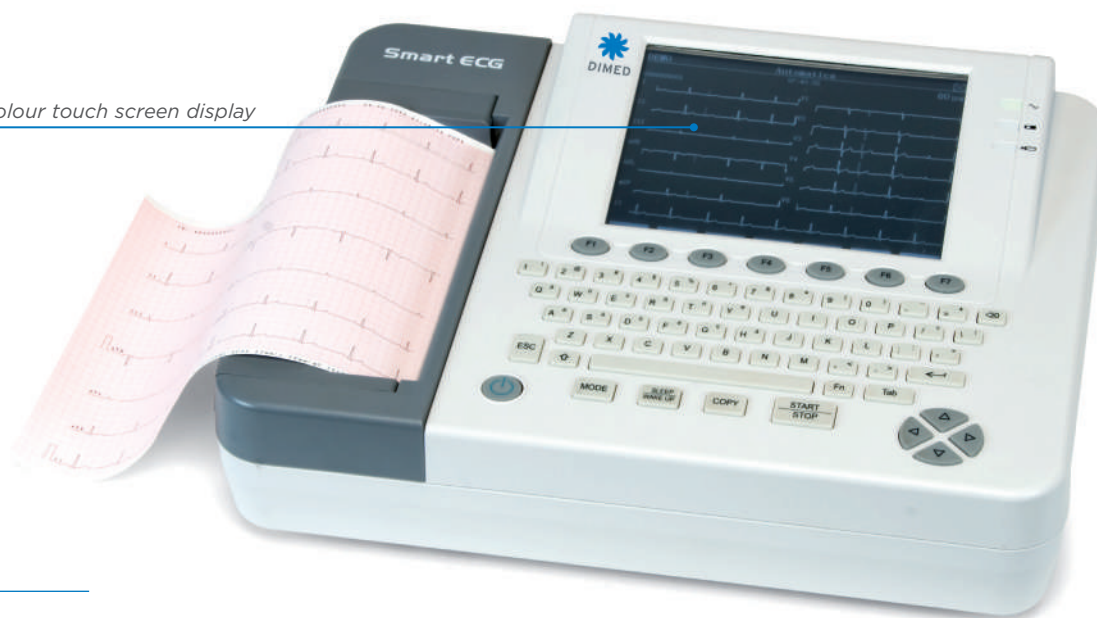
SE-1200- 6/12 channels - With interpretation - Touchscreen

Cod. **LTD455W**

EXPRESS memory
up to 200 ECG

CE
0123

8.4" colour touch screen display



Data transfer
through USB in DAT
and PDF format

Lightweight with carrying handle. It is provided with digital filters which avoids baseline drifts, AC and EMG interferences. Alphanumeric keyboard.

Accessories included



1 electrode set



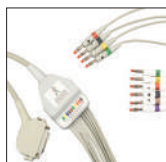
1 standard power
cable



Cod. **DRV1528**
Paper 210mmx20mt
h 45mm



Cod. **DRV1800**
1 gel 260g



Cod. **DRV2083/P**
1 ECG cable

Rechargeable Li-ion
battery
(not illustrated)

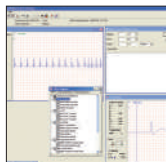
Optional accessories

Cod. **CO156**
Cable holder for
CO150
(not illustrated)



Cod. **CO150**
Aluminium trolley for
ECG without cable
pole, with fastening
base. Specify during
the order for which
ECG you need the
trolley

Cod. **LDR354**
Adaptor plate
for ECG (not
illustrated)



Cod. **LTD406**
Software smart
ECG viewer for PC
visualization

Technical features

SPECIFICATIONS	
Circuit	Protection from defibrillation and pace maker
Lead	standard 12 leads
Acquisition mode	12 leads simultaneously
A/D converter	24 bit
Input voltage range	$\pm 5\text{m Vpp}$
Time constant	$> 3.2\text{ sec}$
Frequency range	0.01Hz - 300 Hz (-3dB)
Calibration voltage	1mV $\pm 2\%$
Sensitivity	2.5, 5, 10, 20, 10/5 AGC (mm/mV)
Input impedance	100 M Ω (10Hz)
Noise level	$< 12.5\mu\text{ Vp-p}$
Anti baseline drift	Automatic
Filters	CA filter: On/Off DFT filter: 0.01/0.05/0.15/0.25/0.32/0.5/0.67Hz EMG filter: 25Hz/35Hz/45Hz/Off Low Pass filter: 300Hz/270Hz/150Hz/100Hz/75Hz
CMRR	$\geq 140\text{dB}$ (AC On) $\geq 123\text{dB}$ (AC Off)
Sampling frequency	64.000/sec/channel
Recording mode	Auto/manual/rhythmic
Rhyth Lead	Single lead or 3 leads selectable
Safety Class	"I", "CF" type
Power supply	AC 100V-240V, 50/60Hz
Battery	Built-in Li-ion, 14.4V (400 ecg print)
Printer	Integrated thermal printer
Paper	Z-fold and roller (mm210/20m)
Paper speed	5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s $\pm 3\%$
Display	800x600 pixel multicolour
Connettività	RS232, USB, ETHERNET

GENERAL INFORMATION	
Low weight and compact size with handle	
USB port for patient data transmission	
RJ45 and Rs-232 port for data transmission on PC	
Rechargeable LI-ion battery	
Single button	
Standby mode for saving energy and extending LCD life	
Various printing formats	
Digital filters which avoid baseline drifts	
Automatic arrhythmia detection and recording	
Auto-measurement	
Accurate ECG interpretation with software SEIMP	
Heart rate variability analysis (HRV function)	
WEIGHT AND DIMENSION	
 W:	 D:
 H:	 Kg
42 cm	33 cm
12 cm	5 kg

- EN** Spare parts for ECG
F Pièces de rechange pour ECG
ES Repuestos para ECG
P Peças de reposição para ECG

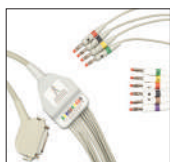
Paper rolls



Technical features

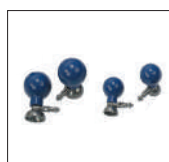
DIMENSION				SPECIFICATIONS
Product code	W:	D:	H:	
DRV1520	5 cm	30 mt	5 cm	Graph paper LTD400 - 1pc
DRV1521	8 cm	30 mt	5 cm	Graph paper LTD405W - 1pc
DRV1528	21 cm	20 mt	4,5 cm	Graph paper serie LTD455W - 1pc
DRV1530	14 cm	11 cm	140 Z-FOLD papers h1 cm	Graph paper LTD445S
DRV1534	80 cm	20 cm	-	Graph paper LTD408

ECG cables



Cod. **DRV2083/P**
 Patient cable for DIMED
 PRO ECG
 Cod. **DRV2085**
 Patient cable for automatic
 ECG
N.B. 10-Lead Patient Cable
 With Protection From
 Defibrillator Discharge

ECG electrodes



Cod. **DRV175** Ø 2,4 cm
 Cod. **DRV176** Ø 3 cm
Adults
 Cod. **DRV174** Ø 1,5 cm
Pediatric

"Ag/AgCl" electrode
 universal connection
 - 1pc



Cod. **DRV1620**
Adults
 Cod. **DRV1621**
Pediatric

Pediatric
 Electrode universal
 connection - 1pc

Peripheral clamp



Cod. **DRV170**
Adults
 Cod. **DRV171**
Pediatric

AG/AGCL universal
 connection - 4pcs

ECG disposable pre-gelled electrodes



Cod. **DRV165T TNT**
 Cod. **DRV165F FOAM**
 Ag/AgCl Pediatric clip
 electrode Ø 4
 Cm - 50 pcs



Cod. **DRV166T TNT**
 Ø 5,5 cm
 Cod. **DRV166F FOAM**
 Ø 4,8-5 cm
 Ag/AgCl Adult clip
 electrode Ø 4,8-5
 Cm - 50 pcs



Cod. **DRV167**
 Elettrodo ECG
W: 4,5 x D: 3,2 cm
 - 50 pcs
 Cod. **DRV1690**
 Pre-gelled
 ECG electrode
 W:4,8xD:5cm- 50 pcs



Cod. **DRV168**
 Disposable pregelled
 E.C.G. electrode -
 Stamp type - 100 pcs

Cod. **DRV1691**
 Oval pregelled
 electrode
 36x49 mm - 50 pcs
 (not illustrated)

Electrodes adapter



Cod. **DRV173**
 10 pcs kit adapter
 clip/stamp white



Cod. **DRV172**
 10 pcs kit adapter clip
 (6 white, 1 black, 1
 red, 1 yellow, 1 green)



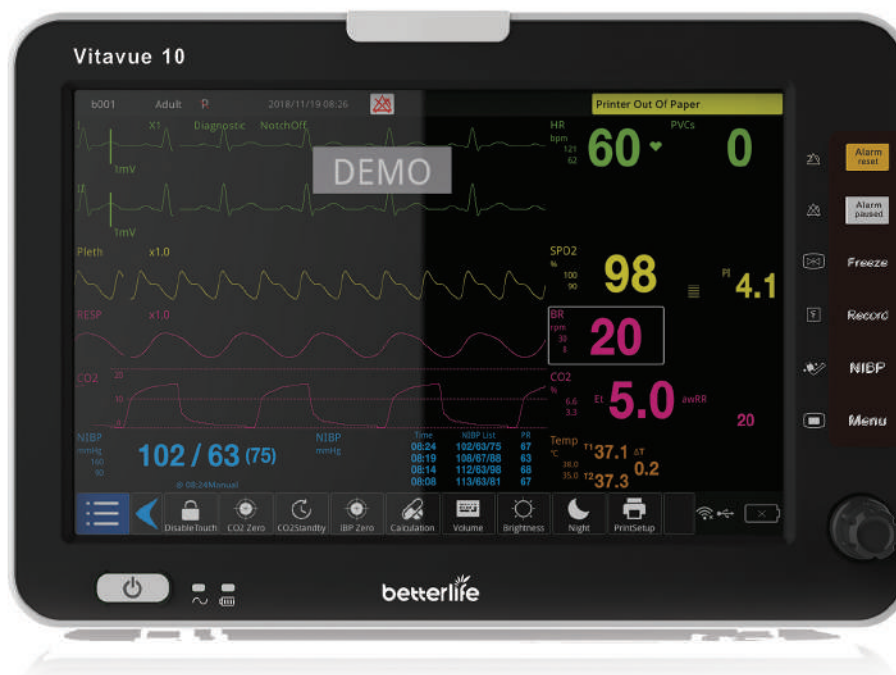
EN Multiparameter patient monitor
F Moniteur multiparamétrique
ES Monitor multiparamétrico
P Monitor multiparâmetro

With optional printer

Cod. **LTD360** 10" display

Cod. **LTD361** Touch screen 10" display

CE
0123



Multi-parameter monitor with high resolution display, resistant and compact structure, equipped with a comfortable handle to ease its carriage. 3-5 channel ECG display, RESP, SpO₂, NIBP, PR, 2-TEMP. Arrhythmia and ST segment analysis. Pacemaker Detention, defibrillation and protection from electrosurgical interference. 168 hours of data storage and 4.000 NIBP measurements. 2 USB ports and port ethernet. **Optional integrated printer.**

Accessories included

Cod. **LTR382**
5-leads and clip ECG
cable protected against
discharges
(not illustrated)

ECG Electrodes kit,
adult, disposable
(not illustrated)

Cod. **LTR384**
SpO₂ Finger Sensor,
adult, reusable
(not illustrated)

Cod. **LTR387**
NIBP Cuff, Adult,
reusable
(not illustrated)

NIBP Tube
(not illustrated)

Cod. **LTR385**
Skin temperature
probe, reusable
(not illustrated)

Power
(EUR standard)
(not illustrated)

1 ground cable
(not illustrated)

1 Rechargeable
Lithium-Ion Battery
(2600 mAh)
(not illustrated)

Optional accessories



Cod. **CO150**
Aluminium trolley

Cod. **CO165**
Trolley plate for
monitor
(not illustrated)

Cod. **CO156**
Cable holder for
CO150
(not illustrated)



Cod. **LTR380**
Optional printer

Cod. **LTR383**
SpO₂ Finger Sensor,
pediatric, reusable
(not illustrated)

Cod. **LTR386**
Cavity temperature
sensor, reusable
(not illustrated)

Cod. **LTR389**
Obese NIBP cuff
(not illustrated)

Cod. **LTR396**
Pediatric NIBP cuff
(not illustrated)

Technical features

SPECIFICATIONS	
DISPLAY	
LCD TFT	10" (LTD360); 10" touch screen (LTD361)
Resolution	1280x800
Waveforms displayed	Up to 7
ECG	
Lead Type	5-lead and 3-lead selectable
Gain	Auto x 0.125, x 0.25, x 0.5, x 1, x 2, x 4
Sweep Speed	6.25, 12.5, 25, 50 mm/s
Heart Rate Range Adult	20-300 bpm
Resolution	1 bpm
Accuracy	±2 bpm o 2%
CMRR	Diagnostic mode > 95 dB Monitoring mode > 105 dB Surgical Mode > 105 dB
ST-Segment Detection	Measurement Range: -2.0 mV - 2.0 mV Alarm Range: -2.0 mV - 2.0 mV
RESP	
Method	Trans-thoracic impedance
Band Width	0,1 Hz - 3 Hz
RR Measurement Range	Adult 0-120 rpm Pediatric/Neonatal 0-150 rpm
Accuracy	6-150 rpm: ±2 rpm o 2% 0-6 rpm: not specified
Apnea alarm threshold	10, 15, 20, 25, 30, 35, 40 s
SpO ₂	
Measurement & Alarm Range	0-100%
Resolution	≤ 1%
Accuracy	±2% (70-100%, Adult, Pediatric) ±3% (70-100%, Neonatal)
Perfusion index range	0,1-20%
PI resolution	0,1-9,99%: 0,01% 10-20%: 0,1%
PR Measurement	25-240 bpm
Resolution	1 bpm

NIBP			
Method	Oscillometric		
Operation Modes	Manual/Automatic/Continuous		
Auto Measurement Time Interval	Adjustable (2,5-120 min)		
Measurement Unit	mmHg/kPa		
Measurement Types	Systolic, Diastolic, Mean		
Resolution	1 mmHg		
Accuracy	Max Mean error: ± 5 mmHg		
Max Standard Deviation	8 mmHg		
PR Measurement Range	20-300 bpm		
Resolution	1 bpm		
Temperature (2 Channels, 1 probe by default)			
Measurement/Alarm Range	15-50°C		
Measurement	0.1°C		
Accuracy	±0.2°C (with probe error included)		
PRINTER (OPTIONAL)			
Paper	Thermal, 48 mm		
Print speed	12, 25, 50 mm/s		
Traces no.	3		
POWER SUPPLY			
AC Power	100-240 V AC, 1,4 A, 50/60 Hz		
Rechargeable Li-ion Battery	2.600 mAh		
WEIGHT AND DIMENSION			
 W:	 D:	 H:	
27,8 cm	12 cm	18,9 cm	3,5 Kg

Languages available on request

Italian, English, Spanish

EN Multiparameter patient monitor
F Moniteur multiparamétrique
ES Monitor multiparamétrico
P Monitor multiparâmetro

With 12" anti-glare display

Cod. **LTD365/1** 12" display and printer

Cod. **LTD365/2** 12" display

CE
1639

Fanless design



Multiparameter monitor with low consumption backlit high resolution display, resistant and compact structure. 3-5 channel ECG display, RESP, SpO₂, NIBP, PR, 1-TEMP. Arrhythmia and ST segment analysis. 160 hours of graphical and tabular trends and 2,000 NIBP measurements. 1 USB port and ethernet port.

Accessories included

5-leads and clip
ECG cable protected
against
(not illustrated)

ECG Electrodes kit,
adult, disposable
(not illustrated)

Cod. **LDR362**
SpO₂ Finger Sensor,
adult, reusable
(not illustrated)

Cod. **LDR363**
NIBP Cuff, Adult,
reusable
(not illustrated)

NIBP Tube
(not illustrated)

Cod. **LDR370**
Skin temperature
probe, reusable
(not illustrated)

Power
(EUR standard)
(not illustrated)

1 ground cable
(not illustrated)

1 Rechargeable
Lithium-Ion Battery
(2200 mAh)
(not illustrated)

Optional accessories

Cod. **LDR371**
SpO₂ Finger Sensor,
pediatric, reusable
(not illustrated)

Cod. **LDR372**
Adapter cable for
SpO₂ Finger Sensor,
pediatric, reusable
(not illustrated)

Cod. **LDR364**
NIBP pediatric cuff
(not illustrated)

Technical features

SPECIFICATIONS	
DISPLAY	
LCD TFT	12"
Resolution	800x600
Waveforms displayed	Up to 7
ECG	
Lead Type	5-lead and 3-lead selectable
Sweep Speed	6.25, 12.5, 25, 50 mm/s
Gain	Auto, 1.25, 2.5, 5, 10, 20, 40 mm/mV
Heart Rate Range Adult	20-254 bpm
Resolution	1 bpm
Band	Diagnostic mode 0,05-150 Hz Monitoring mode 0,5-40 Hz Surgical mode 1-20 Hz ST mode 0,05-40 Hz
ST-Segment Detection	Measurement Range: -2.0 mV - 2.0 mV Alarm Range: -2.0 mV - 2.0 mV Measurement: 0,01 mV
RESP	
Method	Trans-thoracic impedance
RR Measurement Range	Adult 0-120 rpm Pediatric/Neonatal 0-150 rpm
Apnea alarm threshold	Adult: 10-60 sec. interval 5 sec. Pediatric: 10-40 sec. interval 5 sec.
SpO ₂	
Measurement & Alarm Range	0-100%
Resolution	1%
Accuracy	±2% (70-100%, Adult, Pediatric) ±3% (70-100%, Neonatal)
Perfusion index range	0,02-20%
PI resolution	0,02-9,99%: 0,01% 10-20%: 0,1%
PR Measurement	20-254 bpm
Measurement	1 bpm

NIBP			
Method	Oscillometric		
Operation Modes	Manual/Automatic/Continuous		
Auto Measurement Time Interval	Adjustable (1-720 min)		
Measurement Unit	mmHg/kPa		
Measurement Types	Systolic, Diastolic, Mean		
Measurement	1 mmHg		
Accuracy	Max Mean error: ± 5 mmHg		
Max Standard Deviation	8 mmHg		
PR Measurement Range	40-240 bpm		
Measurement	1 bpm		
Temperature (2 Channels, 1 probe by default)			
Measurement/Alarm Range	0-50°C		
Measurement	0.1°C		
Accuracy	0.2°C (with probe error included)		
PRINTER (LTD365/1 only)			
Paper	Thermal, 48 mm		
Print speed	25, 50 mm/s		
Traces no.	3		
POWER			
AC Power	100-240 V AC, 50/60 Hz		
Rechargeable Li-ion Battery	2.200 mAh		
WEIGHT AND DIMENSION			
 W:	 D:	 H:	
30 cm	15 cm	27,8 cm	2,72 Kg

Languages available on request

Italian, English, Spanish

- EN Multiparameter patient monitor
F Moniteurs multiparamétriques
ES Monitores multiparámetros
P Monitores pacientes

With optional printer



Cod. **LTD340**

10,1" display

Cod. **LTD345**

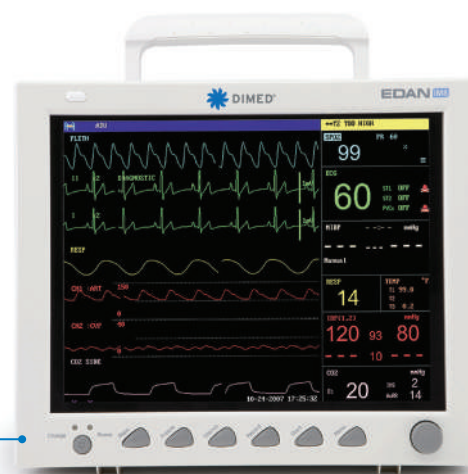
Cod. **LTD347** CO₂ RESPIRONICS

Cod. **LTD348** CO₂ RESPIRONICS + IBP

Cod. **LTD357** CO₂

Cod. **LTD358** CO₂ + IBP

12,1" display



High resolution colour TFT-LCD display. Visualization of ECG, RESP, SpO₂, NIBP, PR, 2-TEMP. Suitable for adult, pediatric and neonatal patients. Arrhythmia analysis. Pacemaker detection, defibrillation and electrosurgical interference protection. 96 hours trend review, 500 NIBP measurements and 60 alarm memory. USB port. With handle for transport. **Optional built-in printer.**

Accessories included

Cod. **LTR303**

1 Five lead ECG Cable, snap, Defib, IEC, 3.5m, reusable **(not illustrated)**

Power (EUR standard) **(not illustrated)**

30 ECG Electrodes, adult, disposable **(not illustrated)**

1 ground cable **(not illustrated)**

Cod. **LDR200**

1 SPO₂ Finger Sensor, adult, 2.5m, reusable **(not illustrated)**

Cod. **LDR334**
Adapter cable for LDR200

Cod. **LDR343**

1 NIBP Cuff, Adult, 25cm-35cm, reusable **(not illustrated)**

1 Rechargeable Lithium-Ion Battery (14.8V, 2100mAh) **(not illustrated)**

Cod. **LDR340**

1 NIBP Tube, 3m **(not illustrated)**

Cod. **LDR336**

1 Temperature Probe Skin, adult, 3m, reusable **(not illustrated)**

Optional accessories



Cod. **CO150**
Aluminium trolley

Cod. **LDR350**
Trolley plate for monitor **(not illustrated)**



Cod. **CO159**
Wall support

Cod. **CO156**
Cable holder for CO150 **(not illustrated)**

Cod. **LDR342**
Adult NIBP Cuff 33-47cm **(not illustrated)**

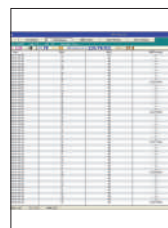
Cod. **LDR344**
Pediatric NIBP Cuff 20,5-28cm **(not illustrated)**

Cod. **LDR345**
Infant NIBP Cuff 10-19cm **(not illustrated)**



Cod. **LDR330N**
Printer optional

Cod. **LDR335**
Rectal temperature sensor adult **(not illustrated)**



Cod. **LTD826**
Patient care Viewer
data management software



Cod. **LDR329**
Central Monitoring System Software. LAN connection. Multi-display modes on dual or single display. Large storage capacity of both the waveforms and the numeric measurements. Web visualization

Technical features

Product codes **LTD340** **LTD345** **LTD347** **LTD348** **LTD357** **LTD358**

REFERENCES

Antielectroshock type
IEC/EN 60601-1:1990+A1+A2, IEC/EN 60601-1-8
IEC/EN 60601-1-2: 2001+A1 IEC/EN 60601-2-25
IEC/EN 60601-2-27
IEC/EN 60601-2-30
IEC/EN 60601-2-34
IEC/EN 60601-2-49
ISO 9919
EN 12470-4, EN 1060-1+A1 EN 1060-3+A1,
EN 1060-4, ISO 21647
ANSI/AAMI SP10
ANSI/AAMI EC13
ANSI/AAMI EC53
ANSI/AAMI EC57

SPECIFICATION

DISPLAY

Colour TFT LCD 10.1" (LTD340); 12.1" (LTD345-347-348-357-358)
Resolution 800x480 (LTD340)
800x600 (LTD345-347-348-357-358)
Waveforms displayed Up to 11
Sweep Speed 6.25, 12.5, 25, 50 mm/s

ECG

Lead Type 5-lead and 3-lead selectable
Gain Auto x 0.125, x 0.25, x 0.5, x 1, x 2, x 4
Sweep Speed 6.25, 12.5, 25, 50 mm/s
ECG HR Range Adults 15-300 bpm
Adult Pediatric/Neonate 15-350 bpm
Resolution 1 bpm
Accuracy ± 1 bpm $\pm 1\%$
Filter Diagnostic mode 0.05 -150 Hz
Monitoring mode 0.5-40 Hz
Surgical Mode 1-20 Hz
ST-Segment Detection Measurement Range: -2.0 mV - 2.0 mV
Alarm Range: -2.0 mV - 2.0 mV
Accuracy: from ± 0.02 mV to 10% (from -0.8 mV to ± 0.8 mV)

RESP

Method Trans-thoracic impedance
Operation Mode Auto/Manual
Range di Adults 0-120 rpm
misurazione RR Pediatric/Neonatale 0-150 bpm
Risoluzione 1 rpm
RR Measurement Range 10, 15, 20, 25, 30, 35, 40 s
Band Width 0.2 - 2.5 Hz (-3 dB)
Sweep Speed 6.25, 12.5, 25, 50 mm/s

SpO₂

Measurement & Alarm Range 0-100%
Resolution 1%
Accuracy $\pm 2\%$ (70-100%, Adults, Pediatric)
 $\pm 3\%$ (70-100%, Neonate)
Refresh Rate 1 secondo
PR Measurement 25-300 bpm
Resolution 1 bpm
Refresh Rate 1 secondo

NIBP

Method Automatic Oscillometric
Operation Modes Manual/Automatic/Continuous

Auto Measurement Time Interval 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 240, 480 minutes

Unit Measurement mmHg/kPa

Measurement Types Systolic, Diastolic, Mean

Adults: Systolic 40-270 mmHg
Diastolic 10-215 mmHg
Mean 20-235 mmHg
Pediatric: Systolic 40-230 mmHg
Diastolic 10-180 mmHg
Mean 20-195 mmHg
Neonatale: Systolic 40-135 mmHg
Diastolic 10-100 mmHg
Mean 20-110 mmHg

Resolution 1 mmHg

Accuracy Max Mean error: ± 5 mmHg

Max Standard Deviation 8 mmHg

PR Measurement Range 40-240 bpm

Resolution 1 bpm

LTD348 - LTD358 ONLY IBP (2 Channels)

Measurement Pressure ART, PA, CVP/RAP/LAP/ICP, P1/P2
Measurement Range 50-300 mmHg

Resolution 1 mmHg

Accuracy $\pm 2\%$ ± 1 mmHg

Sensitivity $5\mu\text{V/V/mmHg}$

Impedance Range 300-3000 Ω

CO₂ respironics available for the models
LTD347 - LTD348-357-358

Type Sidestream/Mainstream

Range 0-150 mmHg

Accuracy ± 2 mmHg 0-40 mmHg
 $\pm 5\%$ 41-70 mmHg
 $\pm 8\%$ 71-100 mmHg
 $\pm 10\%$ 101-150 mmHg

AwRR Accuracy ± 1 rpm

Temperature (2 Channels, 1 probe by default)

Measurement/Alarm Range 0-50°C

Resolution 0.1°C

Accuracy $\pm 0.1^\circ\text{C}$ (without probe)

OPTIONAL PRINTER

Print speed 25, 50 mm/s

POWER SUPPLY

AC Power 100-240 V AC, 50/60 Hz

Rechargeable Li-ion Battery 14.8 V

WEIGHT AND DIMENSION

 W:	 D:	 H:	
32 cm	15 cm	26,5 cm	5 Kg

Languages available on request:

- Italian
- English
- Spanish
- French
- Portuguese
- German
- Polish
- Chinese
- Turkish

EN Vital signs monitor
F Moniteur de signes vitaux
ES Monitor de signos vitales
P Monitor de sinais vitais

With touch screen colour display

Cod. **LTD426** SpO₂ + NIBP + Temperature



8" touch screen colour display



Accessories included

Cod. **LDR363**
NIBP adult cuff
(not illustrated)

Cod. **LDR362**
Reusable SpO₂
fingertip adult sensor
(not illustrated)

Cod. **LDR367**
Ear thermometer
(not illustrated)

Cod. **LDR368**
Disposable speculum kit
(not illustrated)

Optional accessories



Cod. **CO151**
Aluminium trolley

Cod. **LDR359**
Plate for trolley
(not illustrated)

Cod. **LDR364**
NIBP pediatric cuff
(not illustrated)

Cod. **LDR371**
Reusable SpO₂
fingertip pediatric
sensor
(not illustrated)

Cod. **LDR372**
Adapter cable for
SpO₂ fingertip
pediatric sensor
(not illustrated)

DIMED vital signs monitor with high resolution backlit display, USB interface, LAN, optional Wi-Fi. Internal storage of up to 120 hours of trend data and 2.000 measurement sets, with Power-Off memory function. Selectable patient criticality classification system (MEWS-NEWS-EWS). Acoustic and visual alarms, adjustable on 3 levels. Continuous monitoring and "spot-check" function. Simple, elegant, compact and light with a comfortable carrying handle.

Technical features

GENERAL INFORMATION	
Values and plethysmographic curve	
Internal battery	
Adjustable alarms	
High capacity internal memory	
Graphic or table data visualization	
Electrical safety categories	Class I Internal energy device EMC type Class A
SPECIFICATIONS	
POWER	
Power supply	100 - 240 V AC, 50/60Hz
BATTERY	
Type	Lithium battery
Ampacity	2.200 mAh
Working period	3/4 hours
Recharge period	180 min
DISPLAY	
Display	8" TFT colour touch screen
NIBP	
Method	Oscillometric
Mode	Manual, auto, continuous
Automatic mode	Adjustable (1-720 min)
Measuring type	Systolic pressure, Diastolic pressure, Mean pressure
Venipuncture function	Inflation of the cuff at an almost diastolic pressure, to ease venipuncture
Protections	Overpressure protection

SpO ₂			
Measurement and alarm range	0 - 100 %		
Resolution	1 %		
Accuracy	Adult and pediatric: ±2% (70%-100%) Infant: ±3% (70%-100%) Undefined (0-70%)		
Perfusion index (PI)	0,05 - 20 %		
PULSE RATE			
Measuring range	20 - 254 bpm (SpO ₂) 40 - 240 bpm (NIBP)		
Resolution	1 bpm		
Accuracy	± 2 bpm (SpO ₂) ± 3 bpm (NIBP)		
TEMPERATURE (EAR PROBE)			
Range	34°C - 42,2°C		
Measuring time	1/2 sec		
Resolution	0,1°C		
Accuracy	± 0,2°C		
WEIGHT AND DIMENSION			
 W:	 D:	 H:	
16,4 cm	16,2 cm	24,5 cm	2 Kg (without battery)

EN Vital signs monitor
F Moniteur de signes vitaux
ES Monitor de signos vitales
P Monitor de sinais vitais

With colour display

Cod. **LTD425**

M3A SpO₂
+ NIBP



2 displays:
3,5" LCD colour display
LED colour display



Accessories included

SpO₂ adult sensor and adult NIBP cuff (not illustrated)

Optional accessories



Cod. **CO150**
Aluminium trolley

Cod. **LDR355**
Plate for trolley (not illustrated)

Cod. **CO156**
Cable holder for CO150 (not illustrated)

Cod. **LDR330N**
Printer (not illustrated)

Created to be used in hospital and at home. 72 hours internal memory. 5 hours for SpO₂ wave form, 2,5 hours for SpO₂+CO₂ wave form. 30.000 NIBP measurements and 800 alarms can be visualized. **Optional printer.**

Technical features

GENERAL INFORMATION	
Values and plethysmographic curve	
Internal battery	
Adjustable alarms	
Internal memory-high capacity	
Graphic or table data visualization	
Waveform real-time printing	
Electrical safety categories	Class I Internal energy device. EMC type Class A
SPECIFICATIONS	
Anti-electroshock degree	BF Defibrillation type
POWER	
Power supply	100 - 240 VAC, 50/60Hz, Pmax = 45VA FUSIBLE T 1.6AL
BATTERY	
Type	Lithium battery
Voltage	14.8 VDC
Working period	9 hours
Recharge period	± 180min
DISPLAY	
Display	3,5" colour LCD and LED
NIBP	
Measurement range	From 0 - 300 mmHg
Method	oscillometric
Mode	Manual, auto, continuous
Automatic mode	1/2/3/4/5/10/15/30/60/90/120/240/480 min
Continuous	5 min, interval 5s
Measuring type	Systolic pressure, Diastolic pressure, Mean pressure

SpO ₂			
Measurement and alarm range	0 - 100 %		
Resolution	1 %		
Accuracy	Adult and Pediatric: ±2% (70%-100% SpO ₂) Undefined (0-69% SpO ₂) Neonate: ±3% (69%-100% SpO ₂) Undefined (0-70% SpO ₂)		
PULSE RATE			
Measuring range	25 - 300 bpm (SpO ₂) 40 - 240 bpm (NIBP)		
Resolution	1 bpm		
Accuracy	± 2 bpm (SpO ₂) ± 3,5 bpm (NIBP)		
Anti-motion interference	Strong Anti-motion Interference, Anti-electrotome		
PRINTER (OPTIONAL)			
Printing width	48 mm		
Paper speed	25 mm/s		
Recording type	Current displayed parameter list recording / Current displayed alarm list recording		
Trend List recall	72 hours		
NIBP Measurement recall	30.000 NIBP measurements		
WEIGHT AND DIMENSION			
 W:	 D:	 H:	
17,4 cm	18,9 cm	23,5 cm	3 Kg (without battery)

- EN

Patient monitors and monitor vital signs spare parts
- F

Pièces de rechange pour moniteurs et moniteurs de signes vitaux
- ES

Repuestos para monitor y monitores signos vitales
- P

Peças de reposição para monitor paciente e monitores de sinais vitais

LTD340, LTD345, LTD347, LTD348, LTD357, LTD358 and LTD425

Cod. LDR343 Adult NIBP Cuff Medium 25-35cm (not illustrated)	Cod. LDR340 Spare NIBP tube (not illustrated)	Cod. LTR303 5-leads ECG cable with antidefibrillation clip, IEC, 3.5 m, suitable only for LTD34x and LTD35x (not illustrated)	Cod. LDR336 Skin temperature sensor adult, 3m, only for LTD34x and LTD35x (not illustrated)	Cod. LDR334 * Adapter cable for SpO ₂ sensor - 1,5 mt (not illustrated)	Cod. LDR200 SpO ₂ finger sensor for adult, 90 cm, reusable (not illustrated)
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* Patient monitor sensors are compatible with Dimed oximeter LTD822 sensors, with adapter LDR334

LTD365/1, LTD365/2 and LTD426

Cod. LDR362 SpO ₂ finger sensor for adult, reusable (not illustrated)	Cod. LDR367 Ear thermometer only for LTD426 (not illustrated)	Cod. LDR370 Skin temperature probe, only reusable for LTD365/1 and LTD365/2 (not illustrated)	Cod. LDR363 Adult cuff for pressure measurement (not illustrated)
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LTD360 and LTD361

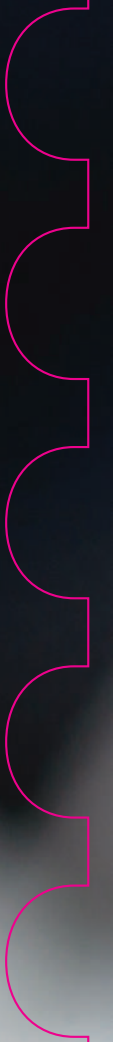
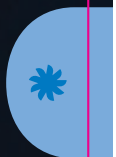
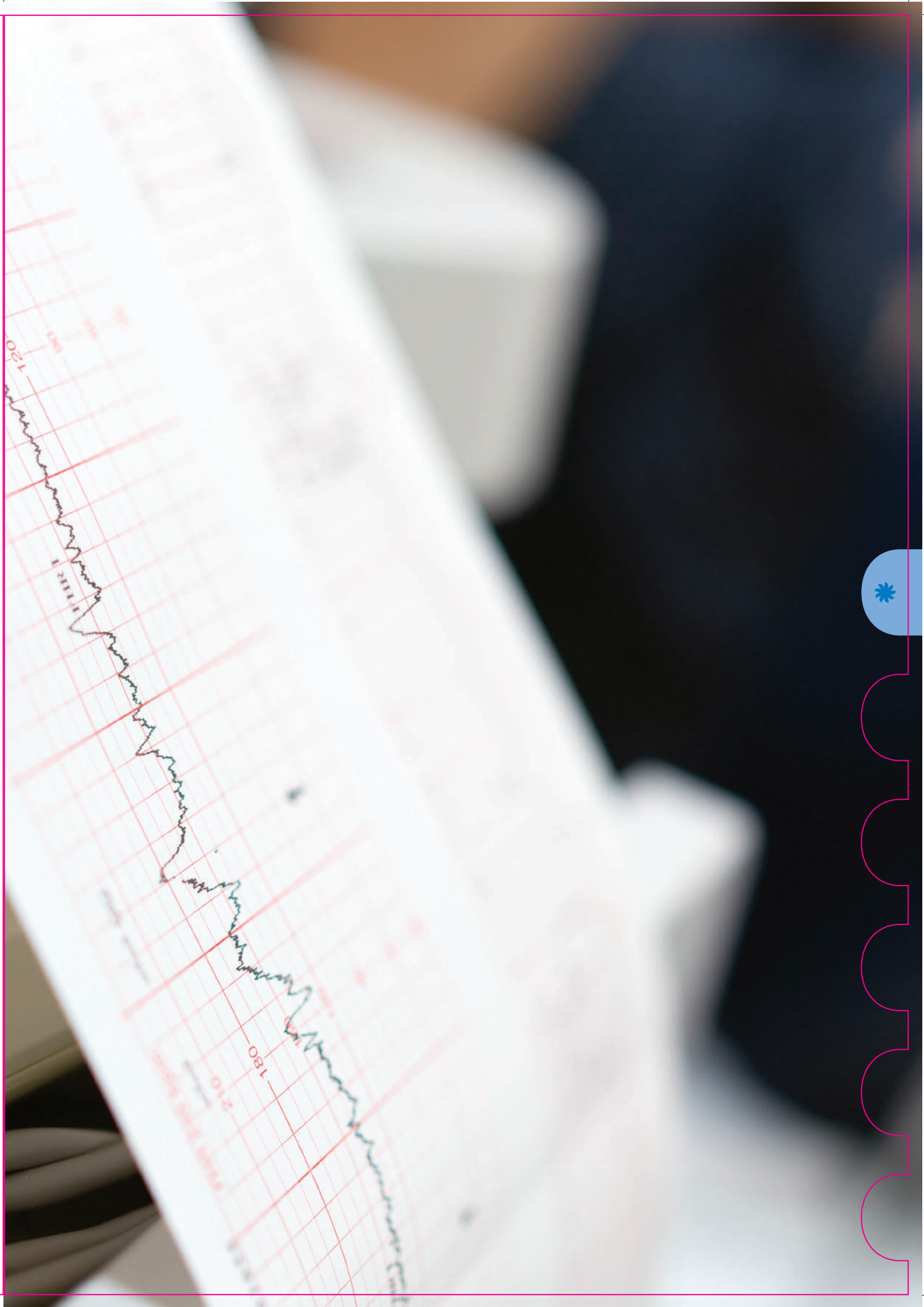
Cod. LDR348 Spare battery 14,8V 4Ah (lot production before 11/09/2011) (not illustrated)	Cod. LDR348N Spare battery 14,8V 5Ah (lot production after 11/09/2011) (not illustrated)	Cod. LDR349 Spare battery 14,8V 2Ah (lot production before 11/09/2011) (not illustrated)	Cod. LDR349N Spare battery 14,8V 2Ah (lot production after 11/09/2011) (not illustrated)
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Paper rolls for patient monitors and vital signs monitor



Technical features

DIMENSION				SPECIFICATIONS
Product code	W:	D:	H:	Graph paper for LTD32(x)/LTD34(x)/LTD35(x)
DRV1525	20 mt	5 cm	4 cm	



- EN** Twin Toco fetal colour monitor
- F** Moniteur foetal Toco gémellaire, écran couleur
- ES** Monitor fetal Toco gemelar, pantalla colores
- P** Monitor fetal Toco gemelar, display a cores

With F6 printer and waterproof probes

Cod. **LTD570**



Big size colour display

Reliable, compact, lightweight. LCD coloured display 10.2". It displays data and waveforms simultaneously. 12 hours memory. Twins monitoring function. Antepartum and intrapartum monitoring. US1/US2/TOCO/FM (AFM/MFM). Builtin printer. Easy to use with the included software. Selectable functions from keyboard. Basic functions: FHR, TOCO, fetal movement, automatic channel recognition. The high technology probe (9 elements, 2Mhz) allows accuracy, false signal reduction and continuous FHR recognising.

ACCESSORIES INCLUDED

Cod. LDR430 2 FHR probes (not illustrated)	Cod. LDR435 Toco probe (not illustrated)	Cod. LDR411 Events marker (not illustrated)	Power cable (not illustrated)
Cod. DVR1532 Paper roll (not illustrated)	1.6A fuse (not illustrated)	CD english software for PC (not illustrated)	RS232 cable (not illustrated)
1 gel bottle (not illustrated)	Cod. LDR440 2 elastic belts (not illustrated)		

Optional



Cod. **CO150**
Aluminium trolley

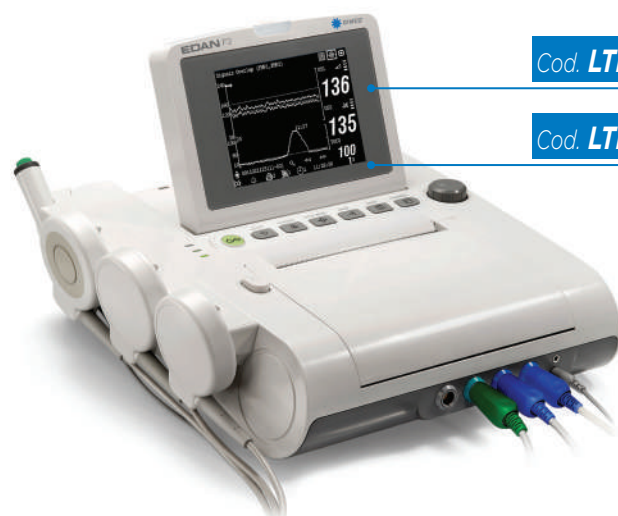
Cod. LDR351 Plate for trolley (not illustrated)	Cod. CO156 Cable holder for CO150 (not illustrated)
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Technical features

SPECIFICATIONS			
DISPLAY		Resolution	
Resolution	800x480 pixel	Zero mode	automatic/manual
ULTRASOUND CHANNEL		AFM (Auto Fetal Monitor) pulsed doppler ultrasound	
Technique	Ultrasound pulse doppler with autocorrelation	AFM range	0-100%
Pulse repetition rate	2KHz	Resolution	1%
Ultrasound frequency	1,0 MHz $\pm$ 10%	Marker	manual marker of the fetal movement
Measurement range FHR	50 bpm -240bpm	Continuous working time	4 hours
Resolution	1 bpm	Interface signal	RS232
Accuracy	$\pm$ 2 bpm	PRINTER	
TOCO		Printing speed	1/2/3 cm/min
Toco range	0-100%	Paper	thermosensitive, Z-fold
		WEIGHT AND DIMENSION	
		W: 33 cm	D: 12,6 cm
		H: 34,7 cm	6 kg

EN Fetal monitor
F Moniteur foetal
ES Monitores fetales
P Monitor fetal

5.6" LCD



Cod. **LTD555** Black and white

Cod. **LTD566** Colour - Twin



Light weight and compact. Closable LCD display 5.6". Basic functions: FHR, TOCO, DECG, IUP and automatic recognition of fetal movement. Signals overlap verification to differentiate twins FHR (ONLY FOR Ltd566). With printer, 12-hour memory, software for PC and USB port.

ACCESSORIES INCLUDED

Cod. **LDR430**
FHR probe (2 pcs for LTD566)
(not illustrated)

Cod. **LDR435**
TOCO probe (only for LTD555)
(not illustrated)

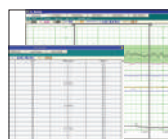
Cod. **LDR411**
Events marker
(not illustrated)

Cod. **DRV1532**
3 paper roll
(90mmx152mmx150p,
US standard, for piece)
(not illustrated)

Converter from RS323
to USB and DRIVER
CD, Software (CD)
(not illustrated)

2 belts (3 for LTD566),
ultrasound gel (CE
marked, 250gr)
(not illustrated)

Optional



Cod. **LDR450**
Software system of central
monitoring. LAN
connection. Multi-display
mode on double or single
display. Big capacity of
electronic storage, both of
wave forms and numerical
measurements. Web
visualization.



Cod. **CO150**
Aluminium trolley

Cod. **LDR352**
Plate for trolley (monitor)
(not illustrated)

Cod. **CO156**
Cable holder for
CO150
(not illustrated)

Technical features

Product codes	LTD555	LTD566
SPECIFICATIONS		
DISPLAY		
Display	5,6" LCD	
Resolution	640x480 RGB	
ULTRASOUND		
Technique	Ultrasound doppler with autocorrelation	
Frequency pulse repetition	2 kHz	
Ultrasound frequency	(1.0 ±10%) MHz	
Range FHR measurement	50 bpm-240 bpm	
Resolution	1 bpm	
Accuracy	±2 bpm	
TOCO		
TOCO Range	0%-100%	
Non linear error	±10%	
Resolution	1%	
Zero mode	Automatic/Manual	
AFM		
Technique	Pulsed ultrasound doppler	

Range	0-100(%)
Resolution	1%
RECORDING	
Recording paper	Z-fold, 150/152 mm - thermo-sensitive paper
Recording speed	1/2/3 cm/min, 15mm/sec for stored data
POWER SUPPLY	
Voltage	100-240V
Frequency	50/60Hz
Battery (optional)	14.8 V Litio ricaricabile
WEIGHT AND DIMENSION	
W: 35 cm	D: 30 cm
H: 10,4 cm	Kg 3,5 kg

- EN** DUS 60 portable echograph
- F** Échographe portable DUS 60
- ES** Ecógrafo portatil DUS 60
- P** Ecógrafo portátil DUS 60

2 probe connections - Display 12.1"

Cod. **LTD946**

Installation and training to the client not included

This device can detect automatically the probe



Easy to carry



Frontal view

Compact design, excellent mobility. LCD-TFT Monitor. Scan angle up to 152°; panoramic zoom in real time; frozen image; support for data storage; built-in flash and USB pen drive; memory 504 MB; optional lithium batteries. The echograph can be used in general surgery, obstetrics, gynecology, orthopedics, cardiology and many others.

ACCESSORIES INCLUDED

Cod. LDR810 Convex array transducer (2.5/3.5/4.5/H2.5/ H2.7MHz) (not illustrated)	2 fuses (not illustrated)	Support transducer port (not illustrated)	Support cable port (not illustrated)	Support for ultrasound (not illustrated)	Ultrasound gel 250 gr (not illustrated)
Power cable (EUR standard) (not illustrated)	Grounding cable (not illustrated)	Flash Disk (Netac, 2G, USB2.0 Protocol) (not illustrated)			

Optional accessories

Cod. LDR811 LINEAR array transducer 60 mm (6.5/7.5/8.5/ H4.5/H4.7MHz) (not illustrated)	Cod. LDR812 LINEAR array transducer 40 mm (6.5/7.5/8.5/ H4.5/H4.7MHz) (not illustrated)	Cod. LDR813 MICRO-CONVEX array transducer (5.5/6.5/7.5/ H4.5/H4.7MHz) (not illustrated)	Cod. LDR814 ENDOVAGINAL array transducer (5.5/6.5/7.5/ H4.5/H4.7MHz) (not illustrated)	Cod. LDR815 ENDORECTAL array transducer (6.5/7.5/8.5/ H4.5/H4.7MHz) (not illustrated)	Cod. LDR822 Needle guide for transducer LDR812 (not illustrated)
Cod. LDR820 Needle guide for transducer LDR810 (not illustrated)	Cod. LDR821 Needle guide for transducer LDR811 (not illustrated)	Cod. LDR825 Needle guide for transducer LDR815 (not illustrated)	Cod. LTR970 Lithium-ion battery (not illustrated)	Cod. LDR823 Needle guide for transducer LDR813 (not illustrated)	Cod. LDR824 Needle guide for transducer LDR814 (not illustrated)
Cod. LDR830 Footswitch (not illustrated)					

Technical features

SPECIFICATIONS		Body indicator	130 types
Imaging mode	B, B+B, 4B, B+M, M and PW	USB port	USB 2.0
Gray scales	256 levels	DISPLAY	
Zoom	Zoom in real time x1.0, x1.44, x1.96, x2.56, x4.0, x5.76, x9.0, x16.0	Display	TFT-LCD
	Frozen condition (available only with B imaging mode) x1.0, x1.78, x4.0, x16.0	Size	12.1"
Memory	504 MB	Angle of visualisation	Horizontal: Θ xTyp.: 80°; Vertical: Θ yTyp.: 80°;
Cine loop	256 frames	Pixel numbers	1024*768
Scanning depth	adjustable in real time with mode B, B+B, 4B, B+M, M and PW	Brightness contrast of white colour	Typ.: 450 cd/m2
TCG	8-segment TCG (0-7), (mode B, B+B, 4B, B+M, not active in pause)	Contrast ratio	Typ.: 700
Imaging conversion	Up/Down, Right/Left, 90° rotation	POWER SUPPLY	
Language conversion	English, French, German, Italian, Spanish, Polish, Romanian, etc. (Language options vary according to the software installed)	Power supply	100 V-240 V-
Software packages	Obstetric, small parts, gynecology, pediatrics, cardiology, urology and blood vessel	Frequency	50 Hz/60 Hz
B-Mode Measurement	Distance, circumference, area, volume, ratio, stenosis %, histogram and angle	Input power	110 VA
M-Mode Measurement	Distance, time, slope, heart rate (2 cycles)	Lithium battery	Capacity: 5000 mAh Voltage: 14.8 VDC Average working time: 1 h Max. recharging time: 8 h Life cycle 300 times
D-Mode Measurement	Time, heart rate, velocity, acceleration, trace and RI	WEIGHT AND DIMENSION	
Display	Patient name, age, gender, time, date, hospital name, doctor name, comment (insert characters to full screen)	W: 22 cm	D: 33 cm
		H: 32 cm	7,1 kg

- EN Trolleys for electromedical equipment
 F Chariots pour appareils électromédicaux
 ES Carritos para dispositivos electromedicales
 P Carrinhos para dispositivos eletro medicais



Cod. **CO150**

Aluminium frame,
without cable arm, double
basket. Suitable **for ECG,
patient monitor and vital
sign monitor.**
Specify during the order
for which kind of device
you need the trolley



Cod. **CO155**

ABS trolley
with drawer storage
and probe compartment.
For Ecograph

Cod. **CO160**

ABS trolley with
drawer storage
an probe
compartment.
**For ECG and
Fetal Monitor**



Technical features

Product codes	CO150		CO155		CO160	
SPECIFICATIONS						
Plates for trolley CO150		LDR350 for LTD34x				
		LDR351 for LTD57x				
		LDR352 for LTD55x - LTD566x				
		LDR354 for LTD4xx (no LTD408)				
WEIGHT AND DIMENSION						
Product codes	 W:	 D:	 H:			
CO150	Ø 53 cm		85 ÷ 110 cm	1° shelf 18 kg		13 kg
CO155	48,8 cm	70,6 cm	82,2 ÷ 92,2 cm	1° shelf 20 kg 2° shelf 5 kg		26 kg
CO160	48,8 cm	56,6 cm	82,5 ÷ 92,5 cm	1° shelf 20 kg 2° shelf 5 kg		23,6 kg

- EN Wall support
 F Supports muraux
 ES Soportes de pared
 P Suportes de parede



Cod. **CO158**

Wall support
for fetal monitors



Cod. **CO159**

Wall support
for patient monitors

EN Otoscope
F Otoscope
ES Otoscópio
P Otoscópio

EN Otoscope
F Otoscope
ES Otoscópio
P Otoscópio



Fiber optic - Xenon light

Cod. **DMV520** XHL xenon halogen technology in hard case with 8 reusable speculum



Spare parts



Cod. **DRV232**
Lampadina allo Xenon
XHL Xenon Halogen
Technology

Rotating 3x magnifier. The handle mounts 2 AA batteries. Hard case with 8 reusable specula.

Optional



Cod. **DMV512**
Kit 100
disposable
speculum
Ø 4,75mm

Cod. **DMV511**
Kit 100
disposable
speculum
Ø 2,75mm

Ø 2,4mm
Ø 3mm
Ø 4mm
Ø 5mm

Cod. **DMV510**
Kit 4 reusable
speculum

Standard light

Cod. **DMV540N** black

Cod. **DMV540B** light blue



Spare parts



Cod. **DRV238**
XHL xenon
halogen lamp

Diagnostic penlight

For medical use

Handle in chromed zinc alloy, PVC head.

Cod. **DMV120**
BUCK



Cod. **DMV124**
TAYLOR



Cod. **DMV122**
BABINSKY



Technical features

Product codes	DMV120	DMV122	DMV124
WEIGHT AND DIMENSION			
W:	18,6 cm	23 cm	18,8 cm
D:	5,6 cm	4,4 cm	5,6 cm
Kg	56 g	92 g	74 g

Neurological hammer

With support for tongue depressor (tongue depressor not included). 1,5V battery operated (battery included).

Cod. **DMV170**

