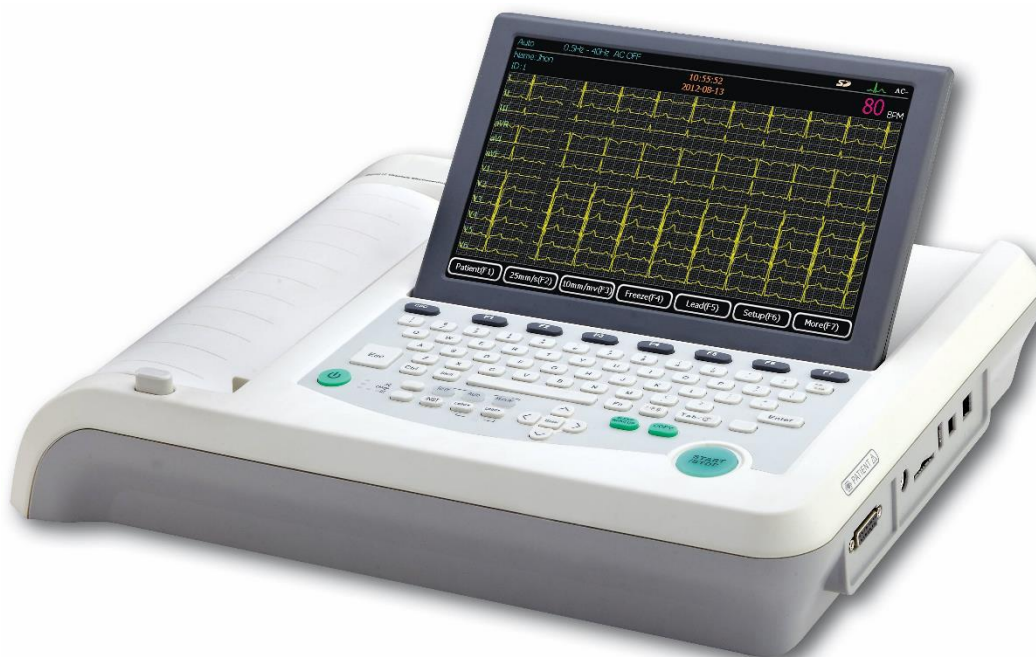


EP-LU30003 Electrocardiograph LUMED® EUROECG 12view



NB the product is subject to changes without prior notice.

Description

EUROECG 12view is a high-resolution digital electrocardiograph. It records 12 synchronous leads and print them on A4/Letter paper. Several print layouts are available.

EUROECG 12view colour LCD display shows the ECG in real-time. Moreover, the stored ECGs can be re-open and displayed on screen.

An internal memory is available, to store up to 10.000 ECGs.

EUROECG 12view has a built-in Automatic ECG Measurement and Interpretation algorithm.

These are the main features of **EUROECG 12view** :

- Colour graphic TFT LCD display, foldable
- Powered by mains or internal battery (included)
- Automatic ECG Measurement and Interpretation
- Automatic Screening Mode
- Storage up to 10.000 ECGs in several format: DICOM, PDF, XML, JPG, BMP
- Bi-directional DICOM® interface
- High-resolution signal
- Detection and processing of Pacemaker's spikes
- Use of external devices, like as USB keyboard, PCL-6 printer or Bar-code reader
- Direct connection to the PC network
- PC- ECG Software (optional)



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Technical Data

Leads set	12 Standard, Cabrera, Frank, Right Chest leads, Posterior Chest leads, custom
Defibrillation	protection is present based on both internal components and original patient cable.
Acquisition	Simultaneous acquisition of 12 leads, interval ± 5 mVpp, time constant $\geq 3.2s$
Frequency Response	0.05Hz-250Hz (-3dB)
Input	Impedance ≥ 50 M Ω , Current ± 0.05 μA , DC Offset Voltage ± 400 mV
CMRR	98 dB
Resolution	12 bit
Sampling	ECG: 16.000 samp./sec
Pacemaker	Detection $\geq \pm 2$ mV $\geq \pm 0.1$ msec with automatic filtering @ 10.000 samp./sec
Sensitivity	2.5 mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV
Speed	5 mm/sec, 6.25 mm/sec, 10 mm/sec, 12.5 mm/sec, 25 mm/sec, 50 mm/sec
Operating Mode	Automatic (real-time or Pre-sample), Manual, Rhythm, Programmed, Trigger, Screening
Internal printer	Thermal, resolution up to 32 dot/mm; thermal paper A4/Letter both Roll and Z-fold
Print layout (built-in printer)	<ul style="list-style-type: none"> . Automatic: 12x1, 6x2, 6x2+1Rhythm, 3x4, 3x4+1Rhythm, 3x4+3Rhythm. Rhythm leads are user-selected . Manual: 1, 2, 3, 6, 12 leads . Rhythm: 1 or 3 user-selected leads . Programmed: like Automatic, frequency 1-60 mins, duration 1-60 mins . Trigger: like Automatic but the page is printed only in case of event (Arrhythmia etc) . Screening: like Automatic, with short evaluation of the current ECG
External printer	<ul style="list-style-type: none"> . External USB, native PCL-6 . 12x1, 6x2, 6x2+1R, 3x4, 3x4+1R, 3x4+3R (all available as Portrait or Landscape)
Filters	<ul style="list-style-type: none"> . EMG 25/30/40Hz, Mains Interferences 50/60Hz . Base-line correction: 0.05, 0.15, 0.25, 0.32, 0.5, 0.67 Hz High-pass . Artefacts: 75 Hz, 100 Hz, 150 Hz Low-pass
Display	<ul style="list-style-type: none"> . Size and resolution: 10", 800x480 pixel, 220x135 mm . Type: TFT LCD graphic colour . Ergonomy: tilting 0°-90° . Available data: 1 to 12 ECG waveforms, patient data, date\time, operating mode, battery status, Heart-Rate, ECG parameters (filters, speed, amplitude etc), contact (each and every electrode or lead), paper status, memory status
Keyboard	Extended alphanumeric, with function keys and dedicated rapid keys
Interfaces	Ethernet board, USB Master, USB Slave, SD card
Alarms	Contact (each and every electrode\lead), no paper, paper door open, battery level
Self diagnostics	No paper, electrode\skin contact quality, auto tests: display, keyboard, memory, battery, ECG acquisition, Ethernet board, thermal printer. Operations summary.
Archive ECG	Approx. 10.000 ECGs format as DICOM, PDF, XML, JPG, BMP; copy of the last ECG
DICOM®	<ul style="list-style-type: none"> . Format 12-Leads ECG Storage, General Waveform ECG Storage, Encapsulated PDF Storage . Modality Worklist
External USB devices	Barcode scanner, PCL-6 printer, keyboard (these parts are optional)
Power supply	<ul style="list-style-type: none"> . 100-240V, 50/60Hz, 30-100VA . Internal Li-IO rechargeable battery, autonomy ≥ 360 ECGs or ≥ 5 hours (no printing)
Size	435 x 335 x 98 mm
Weight	Approx- 4.00 kg battery included
Environmental conditions	Temperature: usage +5°C / +40°C (storing & shipping -20°C / +50°C). Rel. Humidity: usage 25% / 80% (storing & shipping 25%-95% not condensing). Pressure: 700 hPa / 1060 hPa
Safety	IEC Class I Type CF
Standard accessories	4mm Banana IEC patient cable, reusable chest and limbs electrodes, gel ECG spray, thermal paper (roll and Z-fold), power cord, internal rechargeable battery, user manual.
Placement on the market	2014, January, with successive upgrades