Technical Specifications

- **Hub Weight**: 280 - 300 grams depending on cable options
- **Hub Dimensions**: 85 x 91 x 20 mm
- **Patient Leads Length**: 1 meter
- **PC Connection Length**: 1-3 meter, DB9 female connector
- **Patient Leads**: 6 Lead Cable (4 patient leads), 12 Lead Cable (10 patient leads)
- **Case Material**: ABS Plastic
- **Electrode Connections**: 4 mm Banana plug with “tab” or “snap” connectors
- **Electrode Labeling**: Abbreviations and colors to comply with either IEC or AAMI standards
- **Display and Operating Console**: Dependent on PC (supplied by user)
- **Gain/Sensitivity**: 5.10, 20 mm/mV
- **Input Range**: ±6 mV
- **Acquisition sample rate**: 1000 samples per second (compressed to 500Hz with peak picking and averaging algorithm)
- **Heart Rate Range**: 30 bpm - 170 bpm
- **Frequency Response**: 0.05 to 175 Hz ± 3 dB
- **Defibrillator Protection**: Patient leads are isolated from system and operator, with 4 kV protection
- **Common Mode Rejection**: -60 dB (minimum)
- **Safety Standards**: Complies with AAMI EC11, EN60601-1, EN60601-1-2, and EN60601-2-25
- **Leads Off Indicators**: Connection status for each lead is shown on Acquisition screen
- **Power Source**: Can be powered by the PC Serial port control lines in most cases, depending on the PC being used. Can draw extra power if necessary from a PC PS/2 port
- **Supply Voltage**: 4 – 16V DC
- **Permanent Filters**: High Pass: 0.05 Hz 1st order, Low Pass: 170 Hz 1st order
- **Notch filter (Mains Noise Rejection)**: 50 Hz 4th order Butterworth, 49.1 Hz - 50.9 Hz, 60 Hz 4th order Butterworth, 59 Hz - 60.9 Hz
- **Low pass (Muscle Artifact Filter)**: 35 Hz 4th order
- **Low charter format**: User selectable Report formats
- **Environmental Conditions**: Operating Temperature 0° C - 40° C, Storage Temperature -20° C - 70° C, Humidity 5% - 85% (non-condensing)

Available from DRE

Universal ECG

The Universal ECG is the smallest, lightest and most accurate PC-based ECG on the market.

Saves you money and improves efficiency:
- Less expensive than stand-alone EKG machines
- No calibration required
- No annual maintenance fees
- Never buy thermal paper again

Includes a free 3-year hardware warranty

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**Universal ECG**

**Universal ECG Portable PC-based 12-lead ECG**

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**Universal ECG**

**Equipment for the way you operate.**

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**Up to 12 channels of high-resolution ECG data on your PC screen**

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**Print reports on plain paper**

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**Praise for the Universal ECG™**

“Simplicity of use was an impressive plus for the system. The fact that paper ECG use/storage could be eliminated fit well with my need for an electronic medical record. The very reasonable price was a pleasant surprise.”

– Sam Sugar, MD (Evanston, IL)

“It is a tremendous system, convenient and easy to use.”

– Brian R. McMurray, MD, FACP, FACEP (Brentwood, TN)

“The Universal ECG has expanded our services for patient convenience and also for detection of cardiac problems on-site. We are impressed with the simplicity of the operation yet it delivers a comprehensive report with the click of a button. The very first day we were offering EKGs a patient complained of chest pain and shortness of breath. We were able to diagnose his condition, which was very serious and required admission to the intensive care unit. Time in this particular case was essential and the EKG assisted us in providing excellent care and saving his life.”

– Staff from Medi Quick Clinic (Grenada, MS)

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The Universal ECG is the smallest and lightest 12-lead EKG on the market. Perform resting ECG anytime, anywhere with unparalleled ease-of-use. Simply connect to your PC, laptop or handheld and you are ready to begin. Results are displayed on-screen for quick assessment.

- Automatic narrative interpretation and measurement analysis using the advanced Louvaine Algorithm, which has the best total accuracy when compared to leading competitors
- Print clear, full page reports on standard plain paper in portrait, landscape or A4
- Review and zoom into data with electronic calipers, enter comments and modify the interpretation before confirming the results
- Instantly create PDFs or JPEGs of the final report
- Seamlessly integrate ECG data into your EMR via XML, HL7 and other formats
- Also available in a 6-channel non-interpretive version

Includes a Free 3-year Hardware Warranty
Universal ECG
PC-based 12-Lead ECG

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Case Material   ABS Plastic
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Electrode Labeling   Abbreviations and colors to comply
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