

QRS-12

DIGITAL TOUCH SCREEN 12-LEAD
ELECTROCARDIOGRAPH



QRS-12

Intuitive

Designed for a fast paced work environment, the Infinium **QRS-12** ECG System offers an extremely simple and adaptable touch-screen user interface. Patient information along with vital sign settings can be quickly modified to meet the needs of a patient's changing condition. The **QRS-12** offers a high resolution 7 inch touch screen and alphanumeric keypad to optimize the speed of patient care. The user can therefore make quick and convenient analysis while having multiple print and data transfer options. Optional patient barcode scanners and magnetic strip card reads are also available to simplify workflow.

Interpretive

Unlike most ECG systems, the **QRS-12** offers interpretation software as a standard feature. The **QRS-12** provides 2 "built-in" EKG references databases: one being the American Heart Association (AHA) database and the other being the Common Standard Electrocardiograph (CSE) database. The **QRS-12** can detect up to 133 different types of arrhythmia. Pacemaker detection is also a standard feature of the **QRS-12** interpretation software.

Connective

The **QRS-12** offers several connective solutions to network and manage patient data on an electronic medical records platform or a HL7 information system. The **QRS-12** ECG system offers Ethernet and RS-232 connections with an open source communication protocol. Infinium offers 2 levels of networking and connectivity. The **QRS-12** is HL7 and DICOM compliant. The HL7 network protocol will allow for all patient information and vital sign trends to be transferred and stored on a hospital information system. For non-HL7 medical facilities, there is the Infinium ECG manager software which allows the transfer of all stored ECG files and patient data to a remote PC. The patient files can be very simply saved, stored, printed and transferred.

Designed For A Fast Paced Work Environment

EXTREMELY SIMPLE & ADAPTABLE TOUCH-SCREEN USER INTERFACE.



Infinium **QRS-12** ECG System

- Multiple acquisition modes, 3 second waveform stabilization
- Color touch screen and keyboard operation
- Portable and compact
- ST segment report
- Interpretation software standard
- Multiple print modes
- Li-ion battery backup
- Networkable: HL7, DICOM compatible
- Built-in troubleshooting function

QRS-12 TECHNICAL SPECIFICATIONS:

Performance Specifications

Input circuit:	Floating, protection against defibrillator and pacemaker detection
Lead:	12 standard leads
Input impedance:	$\geq 50M \Omega$ (10Hz)
Input circuit current:	$\leq 50nA$
Patient current leakage:	$\leq 10\mu A$ (a.c.)
Calibration voltage:	$1mV \pm 2\%$
Depolarization voltage:	$\pm 700mV$
Sampling rate:	1.0ms (1000Hz)
A/D convertor:	24 bits
Frequency response:	0.05Hz~165Hz
Time constant:	$\geq 3.2s$
Noise level:	$\leq 15\mu Vp-p$
CMRR:	$\geq 120dB$
Digital filters:	HUM, EMG, ADS, Lowpass
Sensitivity:	Auto, 2.5, 5, 10, 20,40 (mm/mV) $\pm 5 \%$
Measurement:	HR, PR/QT/QTC Interval, P/QRS/T Axis etc.

Patient data:	Date, time, ID, name, gender, age, height, weight, blood pressure, etc.
System data:	Sensitivity, paper speed, filter on/off, hospital name, etc.
Print-out:	Waveform, waveform + measurement report, waveform + measurement report+analysis report, etc
Printing system:	High speed, high sensitivity thermal matrix printing system
Paper speed:	5/6.25/10/12.5/25/50mm/s ($\pm 3\%$)
Printing paper:	210/216mm roll paper
Power supply:	AC: 100V-240V (50/60Hz) DC: 19V/3.5A

Size & Weight

Carton size:	415 x 195 x 380mm
Net weight:	3.5Kgs
Gross weight:	5.5Kgs



QRS-12 ACCESSORIES :

Accessories Include:

12 Lead Cable, Chest Electrodes, Limb Electrodes, Paper roll, Lithium Battery, Dust Cover.

Optional Accessories:

ECG manager Software, Mobile Cart, Carry Bag, External Printer, Bar Code Scanner/Magnetic Card Reader



TRI-TEC MONITORS
the cardiac monitoring specialists

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