

Automatically sends results via Bluetooth to our LifeGuard SmartHome and SmartKiosk systems

Features

- Measurements can be sent automatically via Bluetooth to our LifeGuard SmartHome and LifeGuard SmartKiosk TeleHealth systems for monitoring by a Nurse in our Emergency Response Centre
- Portable and compact design
- Easy, user-friendly instructions with touch-panel operation
- 5-lead ECG recorder with event recording function
- Analyzes ECG data and displays messages concerning heart rate and rhythm
- Buzzer reminder function
- Wireless Printing Function (optional)

Specifications

ECG Signal (real-time or playback):

- Lead I, II, III and chest lead with 5 Cable Electrodes
- Lead I with hand electrodes for PHC (Personal HealthCare Mode)
- Bandwidth: 0.05 to 100Hz (Recording/Monitoring Mode) 0.4 to 40Hz (PHC Mode)
- ECG Vertical Scales: 5 mm/mV
- ECG Sweep Speed: 25mm/s
- ECG Heart Rate: 30 - 250 Beat per Minute (bpm \pm 2%)
- CMRR: > 90 dB
- DC Offset Correction: \pm 300 mV
- Sample Resolution: 100 samples/sec (for PHC Mode), 1K samples/sec. (for Recording/Monitoring Mode), AD 12 bits
- Real time monitoring of pulse rate

Display:

- Screen Type: 3.5" TFT LCD
- Screen size: 320x240 pixels
- Sweep speed: 25mm/sec, nominal
- Backlight: 10-level adjustment
- QRS Beeping: Can be turned ON or OFF
- Display Information: ECG signal, Heart Rate, Current Lead, Elapsed time, Battery, Alarm, Interpretative Results, and Recording Indicator

Data Measurement & Management

- Recording Length: PHC Mode: 30 sec./record (max 30 records), Recording/Monitoring Mode: 24 hr (no data compression in flash memory)
- Data Recording: ECG Waveform, Recording Time
- Interpretative Results: Heart rate, Arrhythmia, QRSD



- Display information:
 - Regular Heart Rate
 - Regular Heart Rhythm
 - Slow Heart Rate
 - Fast Heart Rate
 - Irregular Heart Rhythm
 - Analysis Impossible

Interface:

- Bluetooth 2.0, 4-ch ECG Data Transmission

Power:

- Batteries: 1.5V x 3 AAA type batteries
- Usage Life: >24 hrs Typical Operation

Storage Median:

- Requires 2GB or more SD Card

Mechanical:

- Weight - without batteries: < 160g
- Size - reference dimension 74 x 140 x 32.85 mm

Environment:

- Operating Temperature - 0° to 40°C, 32° to 104°F

Classification:

- Degree of Protection: Type BF Applied Part
- Mode of Operation: Continuous
- Safety: IEC60601-1; IEC 60601-2-47
- EMC: IEC60601-1-2
- Performance standard: American Advancement of ANSI/AAMI EC38-1998

Specifications subject to change at discretion of INS LifeGuard or the manufacturer, TaiDoc Technology Corp.

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