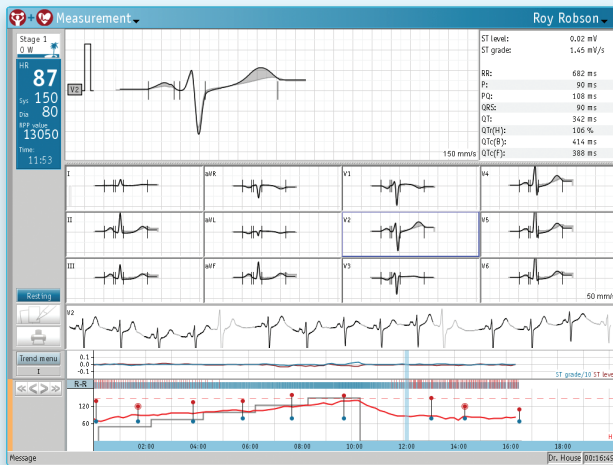




CE 0124

12-lead ECG amplifier for resting and stress test ECG

- 19 bit ECG resolution for maximum signal quality
- Electrode contact measurement for reliable ECG recording
- Pacemaker spike detection
- Power supply via USB
- Patient cable with HDMI connector



Innovation in 12-lead ECG recording

The ECG-Top 12-lead ECG amplifier features the very latest electronics to ensure reliable operation and thus satisfies the highest requirements for 12-lead ECG recording. At the same time, ECG-Top meets or exceeds all the applicable standards of the German Medical Devices Act (MPG). With its built-in HDMI connector, ECG-Top uses modern connection technology and thus sets a new standard.

Optimizing the tried and tested

The ECG resolution has been increased to 19 Bit and even allows the tiniest ECG changes to be shown. To ensure reliable ECG recording, the measurement of impedance between skin and electrode has been optimized and made adjustable so that the physician can check the recording quality at any time. Pacemaker spike detection is analogue and is therefore reliable for subsequent processing in the ECG analysis. For modern energy-efficient PC systems the power consumption of the ECG-Top has been reduced considerably, thus guaranteeing reliable operation (also for mobile use). Power is supplied via the USB connection to the PC. ECG data are also transferred reliably via the USB connection during the ECG examination. A Service key has been incorporated for future designs so that software modifications in the ECG amplifier can be transferred and activated.

Compatible with existing accessories

To ensure that existing or standard accessories can continue to be used with the ECG-Top in future, an adapter cable has been designed for the HDMI connection so that any accessory fitted with a Sub-D connector can also be used with the ECG-Top.

Technical specifications

Amplifier

- ECG resolution: 19 Bit
- Sampling rate: up to 4 kHz
- Bandwidth: 0 Hz to 131 Hz
- Common mode rejection: >93 dB
- Pacemaker spike detection
- Defibrillation protection: with HDMI patient cable
- Patient cable: with HDMI connection
- Contact measurement of impedance between skin/electrode

General specifications

- Power supply: via USB (max. 250 mA)
- Dimensions: (25 × 80 × 134) mm
- Weight: approx. 250 g (incl. PC interface cable)
- Compatible with PADS-ECG and PADS-Ergo
- Suitable for PC systems running Windows or Mac OS