



Micropaq | Patient Wearable Monitor



The Welch Allyn Micropaq[®]

Making conventional telemetry obsolete.

Micropaq, the wearable wireless monitor, has significant advantages over the traditional telemetry transmitter:

- Displays heart rate, ECG and motion-tolerant SpO₂
- Continues to monitor, with alarms, even when out of telemetry range
- Connects via FlexNet™, Welch Allyn's wireless network, to the Acuity® Central Station, virtually eliminating signal drop-out

WelchAllyn[®]

Advancing Frontline Care™



Micropaq is more than a telemetry monitor. The display allows clinicians to review vital signs at the point-of-care. Plus, remotely ID, transfer and connect patients to the Acuity Central Station.



Configurable with adult and paediatric modes, Micropaq uniquely provides monitoring in areas previously not possible. From procedure areas to playgrounds, now even your younger patients have the freedom of movement without compromising their care.



Using Welch Allyn's FlexNet™ wireless network, the Acuity® Central Station provides secure, instant access to vital signs data for up to 60 patients. The system is also available with arrhythmia, ST analysis and full disclosure, all on the same computer.



The Micropaq monitor features the latest in rechargeable battery technology. They are easy to replace and reuse, and are more environmentally-friendly than disposable batteries.

Micropaq® Patient Wearable Ambulatory Monitor

Clinical Benefits

Save time and improve patient care with Micropaq's point-of-care display.

Save precious staff time:

- No more looking for other monitors to administer medications, perform procedures, conduct pacemaker programming or transport patients.
- Verify electrode performance and signal integrity at the point of care.
- Adjust patient alarms at the point of care, not just at the central station—reducing the occurrence of false alarms.
- Admit and discharge patients from the bedside.

Enhance patient safety:

- Patient identity clearly displayed on screen.
- Always provide quick accurate viewing and assessment of patient vital signs and condition at the point of care.
- Two-way communication between Micropaq and the Acuity Central Station enhances monitoring decisions, reducing human error.
- Continue to monitor patients locally, with alarms, even when out of telemetry range or in the event of a power loss.
- Combine pulse oximetry with ECG to monitor effectiveness of respiratory therapy, correlating heart rate and pulse rate.
- Data dropout rates with FlexNet spread spectrum technology are typically 25 times better than traditional systems*.
- Nurse call button is also Acuity event marker.

Display

- Backlit LCD with automatic power save.
- Shows 1 or 2 ECG leads.
- Choose from leads I, II, III, aV_R, aV_L, aV_F, V.
- Heart rate, SpO₂ numerics, pulse bar.
- Acuity alarms with visual and audible alerts.
- Alarms can be suspended and silenced locally.
- Chest diagram shows electrode placement.
- Patient identification.

*Data on file.

Stand-Alone Mode

- Continuous monitoring even when out of telemetry range.
- Both visual and audible alerts for local HR/PR and SpO₂ alarms.
- Adjust alarm limits at the Micropaq.
- Automatic reconnect and synchronisation with FlexNet as patient returns to telemetry coverage area.

Batteries

- Rechargeable lithium ion batteries (2 each).
- Up to 2.5-hour battery life.
- Battery replacement about once per year.

Physical Specifications

- Weighs 450g with battery.
- 18cm x 9cm x 4cm (size of human hand).
- Drop resistant (50 g shock).
- Water resistant (IPX 1).

FlexNet™

- Both wireless and hard-wired connections are fully compliant with Ethernet standards.
- Wireless = 5 GHz WLAN; IEEE 802.11a WiFi.
- Hard-wired = 10BaseT Ethernet; IEEE 802.3.
- Micropaq, Propaq CS and Propaq LT use the same radio and Access Point (APs).
- FlexNet seamlessly handles multiple device types on the same network.

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