



Micropaq | Patient-Wearable Monitor



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™ 802.11a, Welch Allyn's wireless network, to the Acuity® Central Station, virtually eliminating signal dropout

WelchAllyn[®]

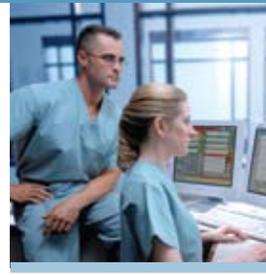
Advancing Frontline Care™



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



Using Welch Allyn's FlexNet™ 802.11a 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. Micropaq batteries are easy to replace and reuse, save thousands of dollars in battery replacement costs, and are more environmentally-friendly than disposable batteries.

Micropaq® Patient-Wearable Ambulatory Monitor

Clinical Benefits

Save time and improve patient care with Micropaq 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.

Enhance patient safety:

- 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 provide less than 0.5% dropout, compared to the industry typical worst case maximum data loss of 1.7%.

Display

- Backlit LCD with automatic power save
- Shows 1 or 2 ECG leads
- Choose from leads I, II, III, aVR, aVL, aVF, 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

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 synchronization with Acuity as patient returns to telemetry coverage area

Batteries

- Rechargeable lithium ion batteries (2 each)
- Up to 25-hour battery life
- Battery replacement about once per year

Physical Specifications

- Weight, with battery 17.0 oz for Micropaq 406 and 18.8 oz for Micropaq 408
- Size, H x W x D: 7.8 in x 3.5 in x 1.96 in
- Drop resistant (50 g shock)
- Water resistant (IPX1)
- Snapshot button initiates printout at Central Station or acts as Nurse Call

FlexNet™

- FlexNet 802.11a deployed on wireless dedicated 802.11a or enterprise 802.11a/b/g networks
- Industry standard IEEE 802.11a/b/g compliant
- Frequency: 2.4–2.5, 5.15–5.25, 5.25–5.35, 5.47–5.725, 5.725–5.85 GHz RF
- Wireless monitors per Access Point: 20 (maximum)



Only Masimo SET SpO₂ sensors, including LNOP durable adhesive and NR value disposable sensors, should be used with Masimo pulse oximetry. Masimo, Masimo SET, LNOP, and NR are registered trademarks of Masimo Corporation.



Only Nellcor® OxiMax® pulse oximetry sensors should be used with the Nellcor pulse oximetry option. NELLCOR and OxiMax are registered trademarks of Nellcor Puritan Bennett, Inc.



Welch Allyn Acuity® Central Monitoring Station utilizes Aruba Mobile Edge Architecture for best-in-class HIPAA security, a superior voice and data network solution and high availability for critical applications.

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