

# WAM™ Wireless Acquisition Module

12-Lead ECG Acquisition Module With Wireless Technology

Specifications



## Product Features

- **Convenient Patient Access** — Equivalent in size and weight to a conventional wired patient cable, the WAM™ Wireless Acquisition Module provides freedom of movement for the clinician while acquiring electrocardiograms and performing cardiac stress testing exams.
- **Easy ECG Acquisition at the Electrocardiograph** — ECG acquisition can be initiated at the WAM module or the electrocardiograph. The module offers ON/OFF, 12-lead ECG acquisition and rhythm printing at the bedside with the simple press of a button. Visual and audible feedback is provided at the WAM module.
- **Small Spaces Are No Obstacle** — The need to maneuver the electrocardiograph through the doorway to the patient's bedside is eliminated; this is particularly advantageous in critical situations or when the patient is in isolation.
- **Point-to-Point Connection** — Dedicated and secure communication links the WAM module to a single electrocardiograph or cardiac stress system.
- **Diagnostic-Quality ECG** — Welch Allyn wireless technology features full diagnostic-quality ECG with a high-fidelity acquisition sampling rate of 40,000 samples per second per channel—a benefit for accurate pacemaker detection. Elimination of the cable reduces a source of artifact resulting in high-quality ECG tracings.
- **Efficient Power Management** — Under typical usage, the battery-operated WAM module can acquire 250 resting ECGs. Advanced power management automatically turns it off.

## WAM Wireless Acquisition Module

Feature	Specification*
Instrument Type	12-lead wireless acquisition module for resting ECG
Input Channels	12-lead signal acquisition and transmission
ECG Leads Transmitted	I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5 and V6
Module Transmission Protocol	Bidirectional and frequency hopping; beacon and response method links a single acquisition module to a single electrocardiograph or cardiac stress system
Frequency Range	2400.96 MHz to 2482.56 MHz
Module and Receiver Distance	Approximately 3 meters (10 feet)
Lead Set	RA, LA, RL, LL, V1, V2, V3, V4, V5 and V6 (R, L, N, F, C1, C2, C3, C4, C5 and C6) with detachable lead wires
Sampling Rate	40,000 samples/second/channel acquisition; 1,000 samples/second/channel transmitted for analysis
Resolution	1.875 microvolt LSB
User Interface	Three-button operation: ON/OFF, 12-lead ECG acquisition and rhythm strip acquisition
Defibrillator Protection	Complies with AAMI standards and IEC 60601-2-25
Special Functions	LED indication of power status, operating mode, lead fault and remaining battery charge
Device Electrical Safety Classification	Type CF, battery operated
Weight	190 g (6.7 oz.) with battery
Dimensions	11.3 x 10.8 x 2.79 cm (4.45 x 4.25 x 1.1")
Battery	1 AA alkaline battery typically powers WAM module for acquisition of 250 resting ECGs

\*Specifications subject to change without notice.

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**Welch Allyn EMEAI Customer Care**  
 IDA Business Park - Johnstown  
 Navan, County Meath, Ireland  
 (p) +353 46 906 7700  
 europe@welchallyn.com

**EMEAI.WELCHALLYN.COM**



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The WAM (wireless acquisition module) must be paired to electrocardiograph before operation and it's indicated for use as a radiofrequency physiological signal transmitter that acquires and delivers RF transmission of electrocardiographic data obtained during resting/physiologic electrocardiographic testing. Indicated for use in a clinical setting, by qualified medical professionals, properly trained for acquiring ECG data of patients of any age. Medical device (93/42/EEC): Class IIa. Notified Body: LNE/G-MED (CE0459) Manufacturer: Mortara Instrument, Inc., Milwaukee, Wisconsin U.S.A. EC Rep.: Mortara Instrument Europe, Srl, Via Cimarosa 103-105, 40033 Casalecchio di Reno (BO), Italy. This medical device is a regulated health product which, pursuant to such regulation bears a CE mark. Welch Allyn recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Welch Allyn reserves the right to make changes without notice in design, specifications and models. The only warranty Welch Allyn makes is the express written warranty extended on the sale of its products.