



Powerful, fast, and flexible monitoring

Actical physical activity monitoring system

Actical provides you with an enhanced, easy-to-use, and affordable method for measuring a subject's physical activity energy expenditure level and step count. Now with a raw data collection mode to facilitate algorithm development and flexibility due to fast epoch lengths, the Actical system has the power to help you answer your research questions quickly.

PHILIPS

RESPIRONICS

sense and simplicity

| Parameter | Value | |
|--|--|---|
| Specification | | |
| Size | 1.14 in x 1.45 in x 0.43 without standard band 29 mm x 37 mm x 11 mm | |
| Weight | 0.56 ounces, 16 grams, without standard band 0.77 ounces, 22 grams, with standard band | |
| Case materials | Polyurethane/polyester alloy | |
| Frame and battery cover | Titanium | |
| Attachment options | Wrist: Nylon wrist band (standard); elastic band (optional) Waist: Belt clip or waist band (optional) Ankle: Elastic band (optional) | |
| Battery | CR2025 lithium coin cell (user replaceable) | |
| Memory capacity | 32 MB | |
| Maximum continuous recording time | Raw mode 12 days | Epoch mode 1 second + steps 194 days |
| Accelerometer details | | |
| Range | 0.05 G to 2 G | |
| Bandwidth | .035 Hz to 3.5 Hz | |
| Resolution | 100 counts or 0.02 G (at 1 G peak) | |
| Sampling rate | 32 Hz | |
| Sampling modes | Raw + steps Epoch: 1, 2, 5, 15, 30, 60 sec Epoch + steps: 1, 2, 5, 15, 30, 60 sec | |
| Environmental attributes | | |
| Moisture protection | Waterproof IEC60529 IPX7 1 meter for 30 min | |
| Storage/transportation temperature range | -4 to 140°F (-20 to 60°C) to 95% humidity | |
| Operating temperature range | 41 to 104°F (5 to 40°C) 15% to 95% humidity | |
| Computer attributes | | |
| Communication interface | 9-pin RS-232 serial port (standard with ActiReader) 9-pin serial to USB adapter (optional) | |
| Operating system compatibility | Windows XP, Windows Vista (32 and 64 bit), Windows 7 (32 and 64 bit) | |
| Hardware platform | Personal computer | |

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CAUTION: US federal law restricts these devices to sale by or on the order of a physician.

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