

cometa



SMALL, LIGHTWEIGHT AND RELIABLE:
the longest range on the market, with the lowest latency

TECHNICAL SPECIFICATIONS

miniWave
BLACK

wireless EMG for biomechanics and clinical research

- One full day of operation with a single recharge (8 hours)
- 2000 Hz sampling frequency at 16 bits resolution
- Memory on board for 8 hours of continuous recording
- Integrated 3-axis accelerometer
- 50 meters indoor range with improved transmission
- Compatible with most disposable ECG electrodes
- Up to 32 channels perfectly synchronized
- Analog output with fixed delay of 14 ms for all channels
- Free software and SDK



Impedance
check



Fixed
Delay 14



Diversity
receiver



Analog
Board 66



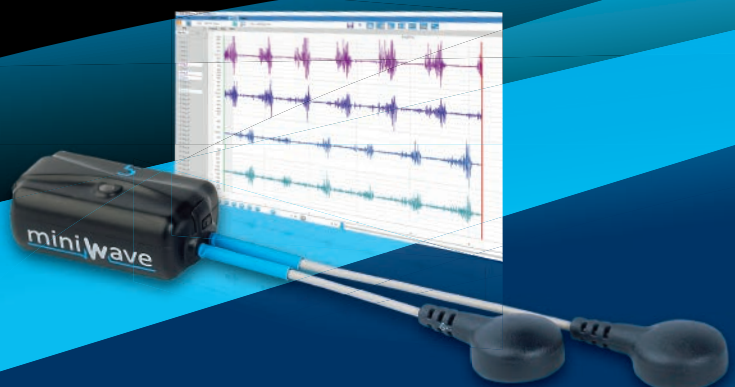
Synchronous
data logger



Inductive
recharge

EMG Medical Device – Dispositivo medico per elettromiografia

Small,
lightweight and
reliable; the longest
range on the market,
with the lowest
latency





wireless EMG, accelerometers
and data logger

The new
PicoEMG, a new
architecture for
better signals and
usability

**The new PicoEMG, a new architecture
for faster placement**

TECHNICAL SPECIFICATIONS



Impedance
check



Fixed
Delay 14



Diversity
receiver



Analog
Board 66



Synchronous
data logger



Inductive
recharge

- By far the smallest in the world, less than 7 grams
- Entirely without cables
- Compatible with Wave Plus receivers and with standard ECG electrodes
- Easily variable intra-electrode distance
- Extremely low artifacts thanks to the symmetrical construction
- Memory on board and accelerometer
- More than 12 hours battery life

EMG Medical Device – Dispositivo medico per elettromiografia

Ideal for
children, smaller
muscles, or gait
analysis: the smallest
wireless EMG on
the market



miniwave ∞

wireless EMG, accelerometers and data logger



Mini Wave Infinity **WATERPROOF**
The first, true wireless underwater EMG system in the world

IPX7
Certified

REFERENCE USERS

- EDINBURGH UNIVERSITY
- JAPAN INSTITUTE OF SPORTS SCIENCE
- DECATHLON FRANCE
- KOREA INSTITUTE OF SPORT SCIENCE
- UNIVERSITY OF NEVADA LAS VEGAS
- UNIVERSITY OF NORTH CAROLINA WILMINGTON



Impedance
check



Diversity
receiver



Inductive
recharge

TECHNICAL SPECIFICATIONS

- Memory equipped probes (10 grams)
- Unbeatable signal quality (no transmission of data)
- Suitable for water sports, rehabilitation and research
- 2.000 Hz sampling rate at 16 bits
- Up to 16 EMG channels with accelerometers
- Asynchronous data logging for up to 8 hours underwater
- Works as a regular Mini Wave Infinity system out of water
- Synchronization possible with Remote control and TTL trigger

EMG Medical Device – Dispositivo medico per elettromiografia

**100% water-
proof, no additional
protection needed:
the only EMG to be
IPX7 certified**



WAVE TRACK



The ultimate solution for **INERTIAL MOTION TRACKING**

TECHNICAL SPECIFICATIONS



Diversity
receiver



Synchronous
data logger



Inductive
recharge

- Full IMU sensor with data logger
- 8 hours of battery life in less than 10 grams
- 50 meters indoor range with improved transmission
- 9 or 6 axis fusion up to 280 Hz
- Raw or mixed data output via low latency SDK
- 32 channels synchronized
- Waterproof ready
- Biomechanics software for full body motion analysis



**Waterproof
ready, less than 10
grams: perfect for
integration with our
EMG sensors**

HEADQUARTERS

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