



The ultimate solution for **INERTIAL MOTION TRACKING**

WAVE TRACK



Diversity receiver



Synchronous data logger



Inductive recharge



TECHNICAL SPECIFICATIONS

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

- Full IMU sensor with data logger
- More than 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

www.cometasystems.com



HEADQUARTERS

Cometa srl

Via Giovanni Falcone 43 Phone: +39 02.91410582

20010 Bareggio MI Italy Email: sales@cometasystem.com

US BRANCH

Cometa Systems, Inc.

21102 County Road 7560

Newburg, MO 65550-9320

cometa

Wireless EMG and IMU sensors



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

miniWave BLACK

wireless EMG for biomechanics and clinical research



Impedance
check

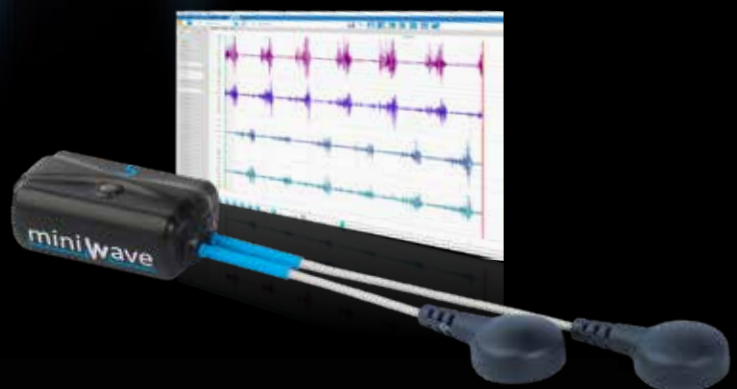
Fixed
Delay 14

Diversity
receiver

Analog
Board 66

Synchronous
data logger

Inductive
recharge



TECHNICAL SPECIFICATIONS

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

- 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

EMG Medical Device – Dispositivo medico per elettromiografia

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

The new PicoEMG, a new architecture
for faster placement



wireless EMG, accelerometers
and data logger



Impedance
check



Fixed
Delay 14



Diversity
receiver



Analog
Board 66



Synchronous
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Inductive
recharge



TECHNICAL SPECIFICATIONS

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

- 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



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

miniwave ∞
wireless EMG, accelerometers and data logger

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

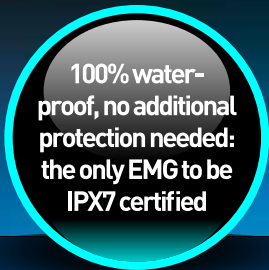


Diversity
receiver



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