

## MAESTRO

Touchscreen display device for power & energy measurement.  
Single-channel, multiple outputs (USB, Ethernet, analog).



### PRODUCT FAMILY KEY FEATURES

#### READS ALL HEADS

- Power: thermopiles, photo detectors and pyroelectrics
- Energy: thermopiles (in single shot mode) , photo detectors and pyroelectrics

#### LARGE TOUCH SCREEN COLOR LCD DISPLAY

- 5.6in diagonal
- 640 x 480 resolution
- 18bit color
- Fully touch screen controls

#### MULTIPLE LANGUAGES AVAILABLE

Interface fully translated in English, French, German and Japanese

#### UNIQUE ERGONOMIC DESIGN

Great for both handheld and tabletop use, with improved rubber bands and quick stand for better stability

#### INTUITIVE USER INTERFACE

Easy to navigate interface, with many display features:

- Single or dual graph display
- Instant access to the main functions
- Function Search tool

#### USB KEY ACCESS

Store data directly on a USB key

#### REAL-TIME STATISTICAL FUNCTIONS

Max, min, average, standard deviation, RMS and PTP stability, pulse # and repetition rate

#### AVAILABLE OUTPUTS

USB key, analog output, RS-232, PC-USB, Ethernet

## SPECIFICATIONS

### CONTROLLER AND GUI SPECIFICATIONS

Interface languages	English, German, French and Japanese
Digital display size	112.9 x 84.7 mm LCD - 640 x 480 pixels
Data display	Real time, scope, statistics, digital tuning needle and averaging
Analog output	0-1 V, full scale, $\pm 0.5\%$
External trigger	TTL Compatible, 2-25 V @ 0.4 mA
Serial commands via	USB, Ethernet or RS-232 (cable in option)
Data storage via	USB key
Battery type	4 x Rechargeable 1.2 V Ni-MH AA
Battery life	6.5 hours
External power supply	9 VDC 1.66 A

### POWER METER SPECIFICATIONS

Power range (thermopile)	1 $\mu$ W - 30 kW
Power range (photodetector)	4 pW - 3 W

Power range	4 pW - 30 kW
Digital resolution	Digital Resolution PMS
Device accuracy	0.25 % ±5 µV best scale
Statistics	Current value, max, min, average, standard deviation, RMS & PTP stability, time
Response time	Current value, max, min, average, standard deviation, RMS & PTP stability, time

ENERGY METER SPECIFICATIONS

Energy range	2 fJ to 30 kJ
Digital resolution	Digital Resolution EMS
Device accuracy	±1 %
Software trigger level	0.1 to 99.9 %, 0.1 % resolution, default 2 %
Repetition rate	2 000 Hz / 10 000 Hz in sampling
Real-time data transfer	2 000 Hz
Statistics	Current value, max, min, average, standard deviation, RMS & PTP stability, pulse #, repetition rate and average power

PHYSICAL CHARACTERISTICS

Dimensions	210W x 122H x 45D mm
Weight	0.67 kg

ORDERING INFORMATION

MAESTRO	201235B
---------	---------

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at [gentec-eo.com/contact-us](https://gentec-eo.com/contact-us)