

MAESTRO

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



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 Volt, 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	100/240 VAC 50-60 Hz to 9 VDC 1.66 A

POWER METER SPECIFICATIONS

Power range (thermopile)	1 μ W - 30 kW
Power range (photodetector)	4 pW - 3 W

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 ¹	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

1. test

PHYSICAL CHARACTERISTICS

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

ORDERING INFORMATIONS

MAESTRO	201235B
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INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at gentec-eo.com/contact-us