

MAESTRO

Touch Screen, Single Channel, Power & Energy Monitor

MULTIPLE LANGUAGES



CONNECTIVITY



ACCESSORIES



Additional 9V Power Supply
(Model Number: 200960)



Battery Pack
(Model Number: 201013)



USB, RS-232, External Trigger &
Analog Out Cables



Pelican Carrying Case

KEY FEATURES

1. **READS ALL HEADS**
 - Power: Thermopiles, Photodetectors and Pyroelectrics
 - Energy: Thermopiles (in single shot mode), Photodetectors and Pyroelectrics
2. **LARGE TOUCH SCREEN COLOR LCD DISPLAY**
 - 5.6in Diagonal
 - 640 x 480 Resolution
 - 18bit Color
 - FULLY Touch Screen Controls
3. **UNIQUE ERGONOMIC DESIGN**
Great for both handheld and tabletop use, with improved rubber bands and kickstand for better stability
4. **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
 - Interface available in multiple languages
5. **USB KEY ACCESS**
Store data directly on a USB key
6. **REAL-TIME STATISTICAL FUNCTIONS**
Max, Min, Average, Standard Deviation, RMS and PTP Stability, Pulse # and Repetition Rate
7. **AVAILABLE OUTPUTS**
USB Key, Analog Output, RS-232, PC-USB, Ethernet

PC-GENTEC-EO SOFTWARE

UNIVERSAL

Compatible with INTEGRA detectors and MAESTRO

EASY-TO-USE

Clear and concise user interface with attractive graphics and well organized functions

SEE ALSO

ENERGY DETECTORS	34
POWER DETECTORS	60
HIGH POWER SOLUTIONS	96
PHOTODETECTORS	110
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Watch the Introduction video available on our website at www.gentec-eo.com

MAESTRO



*Also traceable to NRC-CNRC

SPECIFICATIONS

MAESTRO

DETECTOR TYPES ALL MODELS: Thermopiles, Pyroelectrics, Photodetectors

DISPLAY Touch Screen 5.6 in Color LCD

POWER METER SPECIFICATIONS

Power Range

Thermopile 1 μ W to 30 kW

Photodetector 4 pW to 3 W

Monitor Accuracy 0.25 % \pm 5 μ V best scale

Statistics Current Value, Max, Min, Average, Standard Deviation, RMS & PTP Stability, Time

ENERGY METER SPECIFICATIONS

Energy Range 2 fJ to 30 kJ

Monitor Accuracy \pm 1 % best scale

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 (To USB key) 2 000 Hz

Statistics Current Value, Max, Min, Average, Std Dev., RMS & PTP Stability, Pulse #, Rep. Rate and Avg Power

DETECTOR COMPATIBILITY

Thermopile Average Power & Single Shot Energy

Photodetector Average Power & Pulse Energy

Pyroelectric Pulse Energy & Average Power

GENERAL 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 %

Rising Edge External Trigger TTL Compatible, 2-25 V at 0.4 mA

Serial Commands Via USB (standard), Ethernet or RS-232 (cable in option)

Internet Upgrades Via USB key

Data Storage Via USB key

Dimensions 210W x 122H x 45D mm

Weight (With Batteries) 0.67 kg

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

ORDERING INFORMATION

Product Name MAESTRO

Product Number 201235

Specifications are subject to change without notice