

# MAESTRO

Touchscreen, single channel, power & energy monitor

MULTIPLE LANGUAGES



## KEY FEATURES

### > READS ALL HEADS

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

### > LARGE TOUCHSCREEN COLOR LCD DISPLAY

- 5.6in diagonal
- FULLY touchscreen controls

### > UNIQUE ERGONOMIC DESIGN

Great for both handheld and tabletop use, with improved rubber bands and kickstand 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
- Interface available in multiple languages

### > USB KEY ACCESS

Store data directly on a USB key

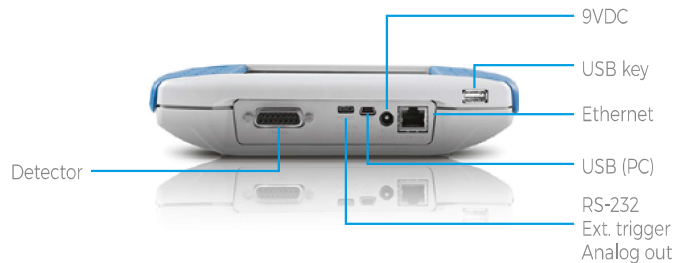
### > REAL-TIME STATISTICAL FUNCTIONS

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

### > AVAILABLE OUTPUTS

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

## CONNECTIVITY



## ACCESSORIES



Additional 9V power supply



Battery pack



USB, RS-232, external trigger & analog out cables



Pelican carrying case

# MAESTRO

## Specifications

CE Nisr Traceable **r-7**  
RF R&S  
RF R&S  
 'Also traceable to NRC-CNRC



### MAESTRO

<b>DETECTOR TYPES</b>	ALL MODELS: thermopiles, pyroelectrics, photodetectors
<b>DISPLAY</b>	Touchscreen 5.6 in color LCD

#### POWER METER SPECIFICATIONS

<b>Power Range</b>	
Thermopile	1μW to 30kW
Photodetector	4pW to 3W
<b>Monitor accuracy</b>	0.25% ± 5 μW best scale
<b>Statistics</b>	Current value, max, min, average, standard deviation, RMS & PTP stability, time

#### ENERGY METER SPECIFICATIONS

<b>Energy range</b>	2fJ to 30 kJ
<b>Monitor accuracy</b>	± 1% best scale
<b>Software trigger level</b>	0.1 to 99.9%, 0.1% resolution, default 2%
<b>Repetition rate</b>	2000 Hz / 10 000 Hz in sampling
<b>Real-time data transfer (to USB key)</b>	2000Hz
<b>Statistics</b>	Current value, max, min, average, std dev., RMS & PTP stability, pulse#, rep. rate and avg power

#### DETECTOR COMPATIBILITY

<b>Thermopile</b>	Average power & single shot energy
<b>Photodetector</b>	Average power & pulse energy
<b>pyroelectric</b>	Pulse energy & average power

#### GENERAL SPECIFICATIONS

<b>Interface languages</b>	English, German, French and Japanese
<b>Digital display size</b>	1129 x 84.7 mm LCD - 640 x 480 pixels
<b>Data display</b>	Real-time, scope, statistics, digital tuning needle and averaging
<b>Analog output</b>	0.1 Volt. full scale, ±0.5%
<b>Rising edge external trigger</b>	TTL compatible, 2-25 V at 0.4 mA
<b>Serial commands via</b>	USB (standard), Ethernet or RS-232 (cable in option)
<b>Data storage via</b>	USB key
<b>Dimensions</b>	210W x 122H x 45D mm
<b>Weight (with batteries)</b>	0.67kg
<b>Battery type</b>	4 x rechargeable 12 V Ni-MH AA
<b>Battery life</b>	65 hours
<b>External power supply</b>	100/240 VAC 50 - 60 Hz to 9 VDC 1.66 A

#### ORDERING INFORMATION

Product page



POWER DETECTORS  
 ENERGY DETECTORS  
 DEPENDENT FILMS  
 THERMISTOR DETECTORS  
 DISPLAYS & PC INTERFACES  
 CUSTOM / OEM PRODUCTS