

# FieldMaxII-TO

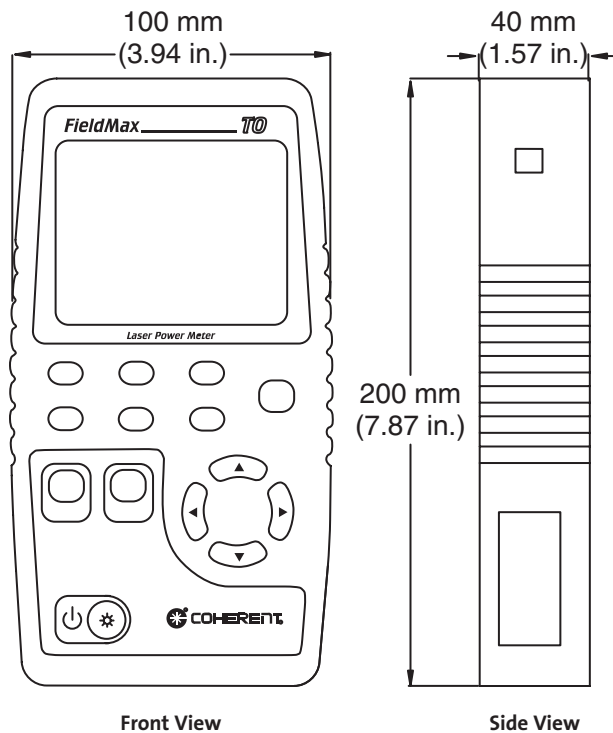
## Laser Power Meter



### Features

- Large, bright, backlit LCD display
- Digital accuracy with analog-like movement for laser tuning
- Works with thermopile and optical sensors
- Intuitive button-driven user interface
- USB 1.1 interface with complete host control capability
- Analog output with selectable full-scale voltage (1, 2, and 5V)
- LabVIEW drivers, applications software, ActiveX DLL server components
- Portable AC/DC operation
- Rechargeable battery pack (optional)
- Compact, rugged enclosure with stand

### Mechanical Specifications



## FieldMax™-TO Laser Power Meter

### Device Specifications

Max. Measurable Power	(sensor-dependent)
Thermopile (kW)	30.0
Optical (mW)	300.0
Min. Measurable Power	(sensor-dependent)
Thermopile (µW)	10
Optical (nW)	1
Displayable Full-Scale Power Ranges	(sensor-dependent)
Thermopile	3.000 mW to 30.00 kW (auto or manual ranging, selectable)
Optical	3.000 µW to 300.0 mW (auto or manual ranging, selectable)
Measurement Resolution (% of full-scale)	0.1
Power Sampling Rate (Hz)	10
Accuracy	
Digital Meter (% of reading)	±1.0
System	Meter accuracy + sensor accuracy
Display	58 x 73 mm, fixed-segment LCD with backlight
Digital Tuning Needle (ms)	100 (time constant)
Statistical Analysis	Min., max., and mean
Computer Interface	USB 1.1
Analog Output	1V, 2V, 5V, 100 ohm source impedance
Instrument Power	90 to 260 VAC, 50/60 Hz, AC power adapter (incl.) Six 1.5V alkaline batteries (incl.) 7.2V, 750 mAh rechargeable battery pack (optional)
Temperature	
Operating	5°C to 40°C (41°F to 104°F)
Storage	-20°C to 70°C (-4°F to 158°F)
Regulations Met	CE
Size (H x W x D)	200 x 100 x 40 mm (7.87 x 3.94 x 1.57 in.)
Weight (including batteries)	0.5 kg (1.1 lbs.)

### Controls & Connections

Front Panel	
PWR/BL	Toggle power switch and backlight
ZERO	Reset ambient offset for thermal and optical sensors
AUTO	Engage auto-ranging for power sensors
STAT	Display statistics: max., min., mean
AVG	Engage averaging
WAVE	Enter wavelength and engage wavelength compensation
ATTN	Enter attenuation factor and engage attenuation
AREA	Enter area and engage area correction to display W/cm <sup>2</sup>
HOLD	Holds displayed values on screen
SETUP/LOCAL	Enters setup mode and accepts selections; cancels PC host control
ARROW KEYS	Manually control range Select STAT value (min., max., mean) Select and change numerical values
Left Side Panel	Power jack connector
Right Side Panel	USB connector DB-25 smart probe connector
Part Number* (RoHS)	1098579

\* The average power specification is dependent upon coating and wavelength. This table provides average power ratings for several wavelength and sensor combinations.

Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's LabMax meters are compliant with the EU Restriction of Hazardous Substances (RoHS) and Waste Electrical and Electronic Equipment (WEEE) Directives. They also meet the intent of Directive 89/336/EEC for Electromagnetic Compatibility (CE). CE compliance was demonstrated per testing to EN61326 Electromagnetic Compatibility Product Family Standard for Measurement, Control and Laboratory Equipment.

Coherent offers a Limited Warranty for all FieldMax-TO meters. For full details of this warranty coverage, please refer to the "Warranty Information for Instruments" webpage under the Service section of our website at [www.Coherent.com](http://www.Coherent.com) or contact your local Sales or Service representative.