

## TPM-300CE

This is our robust, economy workhorse for laser power measurement. TPM-300CE is portable, accurate, easy to use and tough. It has a rugged metal case and good EMI/RFI insensitivity.

### Analog and Digital Displays

This versatile monitor comes with two displays. One is a large 3.5 inch analog meter that is ideal for tuning even from a distance. The other is a 4-digit LCD for maximum resolution when making your measurements.

### Rechargeable Battery

At the bench, use its standard AC adapter to plug it into any wall socket, or take it on the road where the rechargeable battery will give you 8 trouble-free hours of operation. The low battery LED will let you know before time is up.

### Auto-Calibration

The TPM-300CE reads the data in the intelligent connectors so that it automatically recognizes every thermopile power detector head, ensuring accurate auto-calibration. Plug it in and you are ready to go.

### Milliwatts to Kilowatts

With 12 scales, you can read laser powers as high as 10 kW, and less than 1 mW on the 30 mW scale. That is sensitive enough to require thermal isolation around the detector like that provided by our Isoperibol enclosure. There is a zero adjust potentiometer that gives you the control to deal with changes in the environment.

### Fast Response

A high-performance, software controlled, anticipation circuit maintains stable readings while reducing the response time to as low as 1 second.

### Analog and Digital Data Out

You also have the flexibility of two data outputs. The RS-232 port lets you connect to your computer and the 0-1 VDC analog output is suited for chart recorders and plotters.

### Versatile Mounting

More adaptability is provided by the unique pivoting stand that lets you lock the unit into any position over a full 360 degrees. You can turn this stand into a mounting bracket for fixed mounting off of the table at your work station. A great value!

### Wavelength Adapter

If you purchase the optional wavelength adapter, you gain access to two different sensitivities for operation at two wavelengths with greater accuracy.



TPM-300CE

## POWER MONITOR

### TPM-300CE

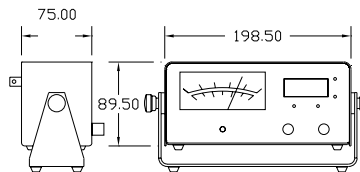
- **Robust**
- **Versatile**
- **Analog & Digital Displays**
- **User-Friendly**
- **CE Marked**

# TPM-300CE SPECIFICATIONS

## APPLICATIONS

OEM  
 Lab  
 Laser manufacture and test  
 Online monitoring  
 Field service

## TPM-300CE



All dimensions in mm

## POWER METER SPECIFICATIONS

<b>Power Range</b>	1 mW to 10 kW
<b>Power Scales</b>	12 scales: 0.03W, 0.1W, 0.3W, 1W, 3W, 10W, 30W, 100W, 300W, 1kW, 3kW, 10kW
<b>Resolution (digital)</b>	100 $\mu$ W on the 30 mW scale
<b>Monitor Accuracy</b>	$\pm 0.5$ %
<b>Response Time</b>	1 sec (with UP19K series, varies with detector head)

## GENERAL SPECIFICATIONS

<b>Detector Compatibility</b>	Thermopile power detector
<b>Analog Display</b>	91 x 40 mm analog panel meter
<b>Digital Display</b>	4 digit LCD readout, 46 x 19 mm
<b>Analog Output</b>	0 – 1 volt, full scale, $\pm 0.6$ %
<b>Connector Ports</b>	BNC and RS-232
<b>Battery</b>	5 rechargeable 1.2 V NiCad AA
<b>Battery life</b>	8 hours
<b>Battery charge time</b>	9 hours to full charge
<b>External Power Supply</b>	
110 volt CSA/UL approved	Input : 100/120 VAC, 60Hz, Output 12 VDC, 800 mA
220 volt CE/VDE/TÜV approved	Input : 220/240 VAC, 50Hz, Output 12 VDC, 1A
<b>Dimensions (with mount)</b>	243 (W) x 100 (D) x 120 (H) mm
<b>Dimensions (without mount)</b>	200 (W) x 100 (D) x 93 (H) mm
<b>Weight (with mount)</b>	1.6 kg

Order number	Description
100-45113	TPM-300CE (with power supply – 100/120 VAC UL / CSA )
100-45113	TPM-300CE (with power supply – 220/240 VAC CE / VDE / TÜV )
100-16651	Wavelength adapter

Specifications subject to change without notice.



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