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Find the *Gentec-EO TPM-300CE* at our website: *Click HERE*




TPM-300CE

# POWER MONITOR

## TPM-300CE

CE

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

### 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.


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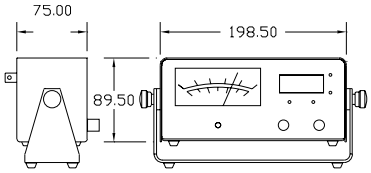
# TPM-300 SPECIFICATIONS



## APPLICATIONS

**OEM**
**Lab**
**Laser manufacture and test**
**Online monitoring**
**Field service**

## TPM-300CE




All dimensions in mm

### POWER METER SPECIFICATIONS

| | |
|---|---|
| **Power Range** | 1 mW to 10 kW |
| **Power Scales** | 12 scales: 0.03W, 0.1W, 0.3W, 1W, 3W, 10W, 30W, 100W, 300W, 1kW, 3kW, 10kW |
| **Resolution (digital)** | 100 µW on the 30 mW scale |
| **Monitor Accuracy** | ±1% |
| **Response Time** | 1 sec (with UP19K series, varies with detector head) |

### GENERAL SPECIFICATIONS

| | |
|---|---|
| **Detector Compatibility** | Thermopile power detector |
| **Analog Display** | 91 x 40 mm analog panel meter |
| **Digital Display** | 4 digit LCD readout, 46 x 19 mm |
| **Analog Output** | 0 – 1 volt, full scale, ±0.6 % |
| **Connector Ports** | BNC and RS-232 |
| **Battery** | 5 rechargeable 1.2 V NiCad AA |
| **Battery Life** | 8 hours |
| **Battery Charge Time** | 9 hours to full charge |
| **External Power Supply** | |
| 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 |
| **Dimensions (with mount)** | 243 (W) x 100 (D) x 120 (H) mm |
| **Dimensions (without mount)** | 200 (W) x 100 (D) x 93 (H) mm |
| **Weight (with mount)** | 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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Olching (Munich), Germany

## www.gentec-eo.com

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