

ruggedized optical power meter

T-339E

Description

The Model T339E is a ruggedized optical power meter designed to withstand outdoor field environments. The new and improved Model T339E utilizes advanced microprocessor technology to provide for easy, accurate and stable calibration as well as error free, non volatile digital storage of reference measurements.

This unit is a continuation of Wilcom's widely used T339 series of ruggedized optical power meters. The T339E unit has an easy to read four digit LCD display for easy viewing and a InGaAs detector calibrated at four wavelengths (850, 1300, 1310 and 1550nm). The unit is powered by three AA Alkaline batteries, and can run on optional rechargeable NiCad batteries.



The unit provides user selectable modes allowing measurements in dBm, microwatts, and relative power from +5dBm to -70 dBm. The unit also can store a reference measurement for end-to-end loss measurements on multimode fiber as well as measurements on singlemode fiber.

Other features include; Auto shut OFF, Auto OFF disable, Signal over-range, and low battery indicator.

Features and Benefits

- **Singlemode and Multimode Applications**
Time and cost savings with one power meter for multiple wavelengths. One test set for all your power and link loss testing.
- **75 dB of Dynamic Range**
A wide dynamic range that covers a variety of multimode and singlemode applications.
- **Ruggedized Metal Case**
The T-339E Optical power meter is housed in a ruggedized hand held weather resistant metal case for durability.
- **Hand-Held, Battery Operated for Field Use**
Don't get stuck away from the truck with a dead meter; your batteries last longer, and our low battery indicator is an early warning system that gives you plenty of time.
- **User Selectable Auto Shut OFF**
In order to conserve battery power the T339E turns it self off automatically after 10 minutes of idling. The user can override this by pushing a combination of buttons.
- **Battery Replacement is a Snap**
No need for a screwdriver, the T339E employs a single thumb screw for easy access to the battery compartment.

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Specifications

Detector Type : InGaAs
Calibrated Wavelength : 850, 1300, 1310 & 1550nm

Wavelength Range : 800 to 1700 nm
Power Range : +5 to -70 dBm
Resolution : ± 0.01 dBm

Display : 4 digit LCD
: Mode Indicators
: Over-Range Indicator
: Auto OFF status Indicator
: Low Battery Indicator

Accuracy (@-20dBm) : ± 0.25 dB (measured @23C,1310nm)

Mode : dBm (absolute power)
: dBr (relative power)
: μ w (absolute power in microwatts)

Detector Protection: : Ferrule stop for detector
Low Battery : Visual Indicator
Reference Store : Non-Volatile E²PROM
Signal Over Range : Visual Indicator
Auto Shut Off : 5 minutes with no activity
Auto OFF disable : User selectable
Adapter Size : 7/8 inch

Storage Temperature : -20 to + 60°C
Operating Temperature : 0 to + 50°C
Battery Type : 3 AA Alkaline Batteries
Battery Life (cont) : > 100 hrs (Alkaline)
Battery Charger (optional)
Input : 120 VAC/60 Hz
Output : 8.7-15 VAC/DC @>150 mA

Physical
Height: : 6.00 in. (152 mm)
Width: : 3.50 in. (89 mm)
Depth: : 2.78 in. (71 mm)
Weight: : 1.1 lbs (0.5 kg)

Warranty

The Wilcom T339E is warranted for a period of one year to be free of defects in material and workmanship.

Ordering Information

<u>Model No.</u>	<u>Part No.</u>
T339E - w/o Charger	30339010
<u>Optional</u> NICAD Battery Charger Kit (110VAC only - batteries included)	30032241-01

Adapter Caps

<u>Model No.</u>	<u>Part No</u>
3011 D4	30030118-01-3
3013 Biconic (Dorran)	30030134-01-1
3013P Biconic (Plastic)	30030135-01-1
3019 FC	30030191-01-2
3175 SC	30031752-01-4
3079 ST	30030792-01-1
3205 LC	30032052-01-5