



## FiberMASTER™ MM/SM Fiber Optic Test Kit



- 850, 1300, 1310, 1490 and 1550 wavelength measurement capability on power meter
- 850, 1300, 1310, 1550nm laser light source (33-931 kit)
- Power measurement in dBm and  $\mu$ W, loss display in dB
- Includes universal adapter for power meter and ST, SC and FC adapters for light source
- Unique "docking" light source and easy three button operation make this the perfect fiber tester for use in the field



Multi-Mode/Single Mode Light Source

**FiberMASTER provides all the features professionals require to certify and troubleshoot any type of fiber optic cabling.**

Measure fiber optic power in milliwatts (mW) and decibel-milliwatts (dBm) to test and troubleshoot active LANs. Quickly measure cabling loss with the automatic calibration feature that stores reference power from any light source for quick dB loss calculations. Plus, the 1490nm wavelength measurement mode is perfect for troubleshooting emerging Fiber To The Home cabling systems.

**IDEAL DataComm**

CUT

STRIP

TERMINATE

TEST

CERTIFY



# FiberMASTER™ MM/SM Fiber Optic Test Kit

The IDEAL FiberMASTER™ fiber optic testing kit allows the user to measure absolute power and calculate the loss of fiber optic links at several wavelengths. Absolute power measurements are helpful when trouble shooting equipment that may not be operating properly. The dB calibration feature allows the operator to set a reference level to the light source and directly read the loss of fiber optic links without needing to manually calculate the values. The unique form factor allows the light source to be docked neatly within the power meter. This makes the kit compact for easy storage while still allowing full operation of both the source and meter.

## FiberMASTER Kit Includes:

- **33-929** Light source, 850, 1300, 1310, 1550 laser light source with ST, SC and FC adapters
- **33-927** Power meter, 4 wavelength with universal 2.5mm and fixed FC adapter
- 2x SC-SC 50um multimode cables
- 2x SC-SC 9um single mode cables (33-931 only)
- 1 SC calibration coupler
- Carrying case
- English, Spanish, German, French, Portuguese, Italian and Chinese user's manual

### Power Meter Specifications

<b>Wavelength</b>	850, 1300, 1310, 1490, 1550nm
<b>Detector</b>	InGaAs
<b>Measurement Range</b>	-60 to +3dBm
<b>Accuracy</b>	±5%
<b>Display Resolution</b>	.01
<b>Connector</b>	Universal 2.5mm w/ FC adapter
<b>Power Supply</b>	AAA Alkaline Battery x 3
<b>Operating Time</b>	360 hours
<b>Operating Temp</b>	-10 to +60°C
<b>Storage Temp</b>	-25 to +70°C

### Light Source Specifications

<b>Wavelength</b>	850, 1300, 1310, 1550nm laser diode
<b>Output Power</b>	-6 to -7 dBm Typical
<b>Stability</b>	.05dB after 15min, 0.1dB over 8 hrs
<b>Connector</b>	2.5mm w/ ST, SC, FC adapters
<b>Power Supply</b>	AAA Alkaline Battery x 3
<b>Operating Time</b>	40 hours
<b>Operating Temp</b>	-10 to +60°C
<b>Storage Temp</b>	-25 to +70°C

Cat. No.	Description
<b>33-928</b>	MM/SM power meter with 850nm light source only
<b>33-929</b>	Four wavelength MM/SM light source only
<b>33-931</b>	FiberMASTER Fiber Optic Test Kit



## IDEAL INDUSTRIES, INC.

1375 Park Avenue, Sycamore, IL 60178, USA / 815-895-5181 • 800-435-0705 in USA

International offices:

Australia • Brazil • Canada • China • Germany • Mexico • UK

For complete sales office contact information, visit us at:

[www.idealindustries.com](http://www.idealindustries.com)