



## **FiberMASTER™ MM/SM Fibre Optic Test Kit**



- 850, 1300, 1310, 1490 and 1550nm 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 adaptor for power meter and ST, SC and FC adaptors for light source
- Unique “docking” light source and easy three button operation make it the perfect fibre tester for use in the field.



Multimode/Single Mode Light Source

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

Measure fibre optic power in microwatts ( $\mu$ W), milliwatts (mW) and decibel-milliwatts (dBm) to test and troubleshoot active LANs (Local Area Networks). 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 Fibre To The Home cabling systems.

**IDEAL DataComm**



# FiberMASTER™ MM/SM Fibre Optic Test Kit

The IDEAL FiberMASTER™ fibre 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 troubleshooting 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 fibre 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 light source and power meter.

## FiberMASTER™ Kit Includes:

- **33-929** Light Source, 850 + 1300nm LED, 1310 + 1550nm laser light source with ST, SC and FC adaptors
- **33-927** Power meter, 5 wavelengths with universal 2.5mm adaptor and fixed FC adaptor
- 2 FC-SC 62.5µm multimode cables
- 1 SC-SC 9µm single mode cable
- 1 SC calibration coupler
- Carrying case
- User manual in English, Spanish, German, French, Portuguese, Italian and Chinese

### Power Meter Specifications

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

### Light Source Specifications

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

Cat. No.	Description
33-927	FiberMASTER™ Power Meter MM/SM only (incl. soft case, manual and cable kit)
33-928	FiberMASTER™ MM/SM power meter with 850nm light source only (incl. soft case, manual and cable kit)
33-929	FiberMASTER™ - four wavelength MM/SM light source only
33-931	FiberMASTER™ MM/SM Fibre Optic Test Kit (incl. soft case, manual and cable kit)
1019-00-1013	FiberTEK® FDX MM Cable Kit (incl. 3 x 50µm patch cords, 3 x 62.5µm patch cords and 2 x SC-SC couplers)
1019-00-1014	FiberTEK® FDX SM Cable Kit (incl. 3 x 9µm patch cords and 2 x SC-SC couplers)



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