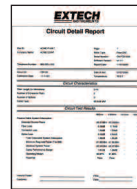# EXTECH® INSTRUMENTS

Product DATASHEET

FiberMeter Optical Power Meter
Professional certification meter, 75ohm range with optional length tester
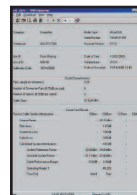
Made in USA

Features:

- Fiber certification with high accuracy and high resolution for both multimode and single mode applications

- Three Models display wide 75dB dynamic range with ±0.15dB accuracy:

  Standard Power model (FO600): +5dBm to -70dBm

  Standard Power model (FO602): includes integrated length tester (ST connector on light source)

  High Power model (FO610): +25dBm to -50dBm — Ideal for direct measurements of laser output power on CATV systems and telco applications

- Internal memory stores up to 1000 measurements and physical fiber characteristics for up to four sites

- User friendly interface with alpha numeric membrane keypad for easy entry of testing documentation including site name, date, fiber type and length, connectors and splices

- Selectively view, re-measure, print or delete stored information

- Use the RS-232 interface and Windows® compatible OWL Reporter software to download data and print professional certification reports

- Built-in Loss Wizard™ calculates the maximum allowable optical loss according to EIA/TIA standards and provides simple Pass/Fail certification

- Universal 2.5mm fiber adaptor accepts ST, SC, FC, DIN, E2000 fiber connector types. Optional 1.25mm universal adaptor for LC or MU interfaces

- High impact Valox™ splashproof case and large (2.6 x 1.4") backlit LCD display with user prompts

- Powered by two 9V batteries for long battery life – over 200hr

- Includes Windows® compatible software, DB9 serial cable, CD-ROM based graphical operation manual, Certificate of calibration, two 9V batteries and case with belt clip

NIST Traceable

Certification Report Printed from PC

Software Included

Complete!

Optional battery operated serial printer for printing loss measurement reports in the field.

Optional LED and Laser light sources available.

Specifications	
Measurement Ranges	
Model FO600/FO602	+5 to –70 dBm
Model FO610	+25 to –50dBm
Resolution	0.01dB
Absolute Accuracy	±0.15dB (0 to -45dBm)
NIST Traceable Calibrated Wavelengths	850, 1310, 1550nm
Power/Battery Life	2 x 9V battery >200 hours
Dimensions	6.48 x 3.48 x 1.1" (165 x 88 x 28mm)
Weight	11oz. (318g)

Ordering Information:

FO600 ....FiberMeter Standard (+5 to –70dBm)
FO602 ....FiberMeter Standard with Length Tester
FO610 ....FiberMeter High Power (+25 to –50dBm)
OWL125 ....1.25mm Adaptor for LC and MU interfaces
77828D1 ....Mini Serial Thermal Printer

1 Year Warranty

EXTECH INSTRUMENTS CORPORATION
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