



The **OM130** power meter is designed for high power optical systems and CATV applications. ADVANCED FIBER SOLUTIONS offers two high power meters, one with data storage and one without. The OM130 optimizes a high power Germanium detector with a dynamic window of +20 dBm to -30 dBm.



The **OM230** series Fiber Optic Power Meter has the same high performance as the OM130 with the added advantage of a user selectable choice of 0.1 or 0.01 resolution, On board memory capable of 500 readings with Time and Date Stamp and a serial port connection for communication with a PC



	OM130	OM230
Detector	Hi Power Germanium	Hi Power Germanium
Calibrated Wavelengths	1310/1550	1310/1550
Dynamic Range	+20.0/-35.0 dBm	+20.0/-35.0 dBm
Accuracy	+/- 0.2 dB (NIST Traceable)	+/- 0.2 dB (NIST Traceable)
Measurements	(Absolute) dBm or Relative dB	(Absolute) dBm or Relative dB
Resolution	.1 dB	0.1 dB or 0.01 dB User Selectable
Power	2 AA Batteries or AC Power adaptor	2 AA Batteries or AC Power adaptor
Operating Temperature	-10°C to +50°C (45% Hum, non condensing)	-10°C to +50°C (45% Hum, non condensing)
Storage Temperature	-20°C to +60°C (75% Hum, non condensing)	-20°C to +60°C (75% Hum, non condensing)
Low Battery Indicator	Yes	Yes
Auto Shutdown	Yes	Yes
Adaptor Options	ST, SC, FC, 2.5 mm Universal, LC standard *	ST, SC, FC, 2.5 mm Universal, LC standard *
Data Storage		500 readings with Time and Date stamp
Serial Interface		Yes
PC Software		AFS Documentation "Smartware"

TEST KITS



The OLK5 and OLK6 series test kits are the complete solution necessary for the installer to test, trouble shoot and document fiber optic systems. These test kits are designed to allow testing of all parameters of fiber optic networks, including output power levels from the fiber, coupled source power and attenuation loss in a cable. Advanced Fiber Solutions can make virtually any type of adapter, this enables the user to test any style of connector required.

	Test Kit Includes
OLK-53-SM	OM130 CATV Meter OS430 Single mode source 1310/1550 nm
OLK-63-SM	OM230 CATV Meter w/Data Storage OS430 Single Mode Source 1310/1550 nm

OS430 APPLICATIONS

The **OS430** Laser source is for single-mode fibers in the outside plant environment where the long wavelengths are used. The Single output allows the user to test at both 1310nm and 1550nm without disconnecting and reconnecting the cable.

When used with an Advanced Fiber Solutions OM120 or OM220 the OS430 is ideal for testing insertion loss for single-mode fiber optic cables and connectors.



OS430	SPECIFICATIONS, KEY FEATURES AND APPLICATIONS
Wavelength (λ)	1310nm/1550nm
Wavelength (λ) Range	1310 ± 20nm / 1550nm ± 20nm
Spectral Width	≤ 5nm
Modulated Frequencies	2kHz
Stability, 1 hour	< 0.05dB
Power Output	>-8dBm, Individually Adjustable
Connector	ST, FC, or SC
Power	2AA Batteries or AC Power Converter
Enclosure Size	Compact Handheld (L-4.94"/W-2.75"/H-1.2")

OS405 APPLICATIONS

The **OS405** (635nm) visible laser cable fault locator allows the operator to find faults in fiber optic cables, even in the OTDR dead zone, optimizing splices and tracing fibers. By injecting a bright red visible light in the fiber, locations of losses such as breaks, bends, or bad connectors can be detected visually, even through the typical yellow or orange jacket used on most single fiber cables. Fibers can be traced as far as 4 km (2.5 mi.) using this instrument. The OS405 uses a visible diode laser in the compact case for pocket size convenience.



Variable Attenuators



The **ATT100** series are ideal for simulating cable loss for lab testing of link power margin or reducing power in links where receivers are being overloaded. The ATT100 variable attenuators are of the gap-loss type. Pulling the connector end faces apart induces the loss. If you are using these attenuators in a laser or CATV system, you should use the ATT120 with a FC/APC connector, which have very low return loss even when unmated.

ATT120 FC/PC MM OR SM ~1 to 30 dB Cable to Cable

ATT130 SC MM OR SM ~1 to 30 dB Cable to Cable

ATT110 ST MM OR SM ~1 to 30 dB Cable to Cable

Specifications subject to change without notice.