

FIS OPTICAL VERIFIER (OV-3) TEST SET

Loss Test Sets contain both a power meter and a light source in a single unit and are used to perform bi-directional end-to-end loss measurements. The FIS OV-3 Test Set is available configured in a number of flexible models to meet the installation and maintenance requirements of all optical networks. The Germanium photodetector ensures accurate and stable measurements across the full range of telecommunications wavelengths. The LED and laser light sources provide stable optical power in continuous wave or modulated modes. The RS-232 feature allows downloading test data to your computer for analysis and documentation. The included Li-Ion batteries and charger ensure hours of uninterrupted field operation and quick re-charges. Include the CATV, VFL and Talk options to any model for additional functionality. The OV-3 is available in a power meter only version with the same great features.

FEATURES

- High Resolution Power Meter Calibrated at 850/1310/1490/1550nm
- 2mm InGaAs Detector
- Backlit Display
- Available as Power Meter Only or as Test Set
- Single or Dual Wavelength Light Source
- Stores up to 255 Tests
- Downloads to your computer with included RS232 cable
- RS232 to USB converter available
- Li-Ion Rechargeable Battery
- AC Adapter/Charger
- CATV, VFL & Talk Options
- One-Year Warranty
- Carry Case
- Includes 110/220V AC Power Cord



SPECIFICATIONS

Light Source	Singlemode	Multimode
Source Type	Laser	SLED
Wavelengths	1310nm (+/-30nm) 1550nm (+/-30nm)	850nm nominal 1300nm nominal
Output Power	-1 dBm Typ.	Single LED -15 dBm Typ. Dual LED -18 dBm Typ.
Spectral Width(RMS)	2nm Typ.	50nm (850nm) 170nm max. (1300nm)
Modulation Modes	CW, 2kHz	CW, 2kHz

POWER METER RECEIVER

Detector	2mm Ge Detector Photodiode
Wavelength Selection	850nm, 1310nm, 1490nm, 1550nm 1625nm Optional (InGaAs Detector)
Noise Equivalent Power (NEP)	-65dBm Typ.
Display Resolution	.01dB
Measurement Range	+5dBm to -65dBm @ 1310, 1490 and 1550nm +5dBm to -55dBm @ 850nm +23dBm to -45dBm @ 1310, 1490 and 1550nm (CATV)
Accuracy	+/- .3dBm

GENERAL SPECS

Operating Temperature	-10 to +50° C (14 to 122° F)
Storage Temperature	-40 to +60° C (-40 to 140° F)
AC Power	110/120 or 240 volt AC Charger/Adapter
Battery	Li-Ion Rechargeable
Battery Life(@ 25 deg. C)	8 hours Typ.
Recharge Time	12 hours Typ.
Physical Dimensions	220mm H x 100mm W x 40mm D 8.75" H x 4" W x 1.57" D
Weight	560 grams (1.25 lbs.)

VISUAL FAULT LOCATOR

Wavelength	650nm
Power Output	1 mW Typ.
Modulation Modes	CW, 2Hz
Caution	Class 2 Laser • Do Not Stare Into Beam LASER Radiation

TALK SET

Mode of Operation	Push to Talk
Range	15dB Singlemode, 12dB Multimode
Accessories	Comes complete with headset and microphone

ORDERING INFORMATION

OV3-PM	Deluxe Power Meter w/ RS232
OV3-85	Test Set with 850nm Light Source
OV3-13	Test Set with 1300nm Light Source
OV3-8513	Test Set with 850/1300nm Light Source
OV3-31	Test Set with 1310nm Light Source
OV3-15	Test Set with 1550nm Light Source
OV3-1315	Test Set with 1310/1550nm Light Source
OV3-1415	Test Set with 1490/1550nm Light Source




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