

TECHNICAL DATA SHEET



Singlemode Loss Test Set

The KD Optics range of Singlemode power meters and Laser sources are designed for the testing of SDH, CATV, Telecom and other singlemode links. There is a power meter and laser source to suit every requirement. Every instrument comes with a carrying pouch or, if bought as a pair, a small ABS briefcase style carrying case is included. Although their main use is in cable attenuation testing, other applications include fibre continuity testing, connector testing, transmitter power testing etc.



PM30 Optical Power Meter

DL1315 Stabilised Laser Source

- Clear Custom Display
- Easy to use
- Wide dynamic range
- dBrel retained at power down
- CATV option
- Auto / man dBrel option
- Very fast laser stabilisation
- Long battery life
- Ultra stable
- High output power
- Single or dual output
- 1625nm options available

PM30 Series Power meter specifications

	PM30	PM30H	PM31	PM32	PM32H
Range Selection	Auto	Auto	Auto and Range Hold	Auto	Auto
Sensor Type	Germanium	Germanium	InGaAs	Germanium	Germanium
Analogue Output	-	-	0 to 1V DC	-	-
Measurement Range	+10 to -70dBm	+20 to -60dBm	+10 to -70dBm	+10 to -70dBm	+20 to -60dBm
dBrel	Auto	Auto	Auto	Auto / Manual	Auto / Manual
Wavelength	1310nm and 1550nm standard, 12 other wavelengths may be factory programmed				
Measurement Accuracy	± 5% at -23dBm, 20°C				
Display	4 Digit Custom, displays dBm, dB, Watts, wavelength, OR, UR, LO Batt, Auto off.				
Resolution	0.01dBm				
Optical Connector	Adapter caps for FC/PC, ST, SC, Diamond etc.				
Power requirements	Rechargeable NiMH using external charger (supplied)				
Temperature range	0 - 50°C				
Dimensions	152 x 83 x 33mm				

DL1315 Series Laser sources specifications

	DL13	DL15	DL1315
Wavelength	1310nm	1550nm	1310nm and 1550nm
Source Type	Laser	Laser	Dual Laser
Spectral Characteristics	1310nm ±12nm	1550 ±12nm	1310 ±12nm / 1550 ±12nm
Spectral FWHM	Typical 3nm		
Output Waveform	CW or internally chopped at 1kHz (270 Hz or 2kHz may be specified at time of ordering)		
Output Level	Typically -6dBm into 9/125 singlemode fibre		
Output Stability	±0.05dB or less over 1 hour at 23°C		
Stabilisation Time	Typically 30 seconds from power up at 23°C		
Optical Connector	Fixed FC/PC, ST, SC, Diamond etc. (Specified at time of ordering)		
Power requirements	2 x AA rechargeable NiMH cells using external charger gives typically 20 hours use. Alkaline cells may be used if rechargeable batteries are flat and mains is not available		
Temperature range	0 - 50°C		
Dimensions	152 x 83 x 33mm		

PM30 and DL1315 Ordering Information

PM30X, PM30HX, PM31X, PM32X, PM32HX
 DL13X, DL15X, DL1315X
 Add 'X' for Connector type
 e.g. PM32PC specifies a PM32 with FC/PC connector

PM30 and DL1315 Optional accessories

Spare AC charger
 Bare fibre adapters
 Test cables, patch cords etc.
 PM30 additional connector adapter caps
 Small carry case for 2 instruments and accessories
 Large carry case for 3 instruments and accessories

PM30 and DL1315 Standard accessories

Manual, Carrying pouch, AC charger,
 One year warranty

Other Products available from KD Optics:

Multimode Power meters and LED sources
 Visible Laser sources
 Loss Test Sets
 Optical attenuators
 Optical Talk sets
 Cooled laser sources
 Optical data logging and Device alignment test sets
 Thermo Electric Cooler (TEC) controllers
 OTDRs, Fusion Splicers

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