ODM
Product Overview

OPTICAL SOURCES

Optical Design Manufacturing Inc. manufactures a range of easy to use optical laser sources as well as LED sources for quick and easy loss or verification testing on optical networks. These stable transmit probes offer 850 nm, 1300 nm, 1310 nm, 1490 nm and 1550 nm output wavelengths.
There are also dual sources available.

OPTICAL POWER METERS

Beside the optical sources there is a range of easy to use optical measurement instruments for quick, simple verification of optical signals in the premise or telecom market available.
The Receiver Optical Power Meter provides basic power measurements on fiber optic networks operating at 850 nm, 1300 nm, 1310 nm, 1490 nm and 1550 nm – depending on the type.
One model provides set ref and storage of up to 1000 measurements per wavelength.
Another Power Meter provides these features plus the ability to transfer data via the mini USB port to a laptop computer.

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OPTICAL LIGHT SOURCES*

Model #	Description	Tone Output	Output Power	Connector Output
TP 210	850 nm LED Source	2 kHz	-20 dBm	ST
TP 215	850 nm VCSEL Source	2 kHz	-5 dBm	SC
TP 220	1310 nm Laser Source	2 kHz	-4 dBm	SC
TP 230	1300 nm LED Source	2 kHz	-20 dBm	ST
TP 240	1490 nm Laser Source	2 kHz	-4 dBm	SC
TP 250	1550 nm Laser Source	2 kHz	-4 dBm	SC
DLS 350	850/1300 Dual LED	2 kHz	-20 dBm	SC (single output port)
DLS 355	1310/1550 Dual Laser	2 kHz	-4 dBm	SC (single output port)

*All Optical Light Sources are available with a factory-installed option to allow long term AC operation from any 120/240-volt source.

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OPTICAL POWER METERS

Model #	Description	Storage	USB Download	Tone Direct	Wavelength	Range (dBm)
RP 420	Pass/Fail Continuity Checker	No		Yes	800 nm to 1600 nm	+3 to -40 dBm
RP 440-02	Germanium, 0.1 dB	No		Yes	850/1300/1550 nm	+3 to -50 dBm
RP 440-02/FTTx	Germanium, 0.1 dB	No		Yes	1310/1490/1550 nm	+3 to -50 dBm
RP 440-03	InGaAs, 0.1 dB	No		Yes	850/1300/1550 nm	+3 to -60 dBm
RP 440-03/FTTx	InGaAs, 0.1 dB	No		Yes	1310/1490/1550 nm	+3 to -60 dBm
RP 450-02	Germanium, 0.01 dB, Zero/Set Ref	No		Yes	850/1310/1490/1550 nm	+3 to -60 dBm
RP 450-03	InGaAs, 0.01 dB, Zero/Set Ref	No		Yes	850/1310/1490/1550 nm	+3 to -70 dBm
RP 450-04	Filtered InGaAs, 0.01 dB, Zero/Set Ref	No		Yes	850/1310/1490/1550 nm	+23 to -45 dBm
RP 455-02	Germanium, 0.01 dB, Zero/Set Ref	Yes, 1000 points / λ		Yes	850/1310/1490/1550 nm	+3 to -60 dBm
RP 455-03	InGaAs, 0.01 dB, Zero/Set Ref	Yes, 1000 points / λ		Yes	850/1310/1490/1550 nm	+3 to -70 dBm
RP 455-04	Filtered InGaAs, 0.01 dB, Zero/Set Ref	Yes, 1000 points / λ		Yes	850/1310/1490/1550 nm	+23 to -45 dBm
RP 460-02	Germanium, 0.01 dB, Zero/Set Ref	Yes, 1000 points / λ	Yes	Yes	850/1310/1490/1550 nm	+3 to -60 dBm
RP 460-03	InGaAs, 0.01 dB, Zero/Set Ref	Yes, 1000 points / λ	Yes	Yes	850/1310/1490/1550 nm	+3 to -70 dBm
RP 460-04	Filtered InGaAs, 0.01 dB, Zero/Set Ref	Yes, 1000 points / λ	Yes	Yes	850/1310/1490/1550 nm	+23 to -45 dBm

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OPTICAL TEST KITS*

Model #	Description & Wavelength	Resolution	Storage	USB Download	Dynamic Range
TKM 530	Dual 850/1300 nm Multimode, DLS 350 & RP 440-02	0.1 dB	No	No	40 dB
TKS 540	1310 nm Singlemode, TP 220 & RP 440-02	0.1 dB	No	No	60 dB
TKS 550	Dual 1310/1550 nm Singlemode, DLS 355 & RP 440-02	0.1 dB	No	No	60 dB
TKM 630	Dual 850/1300 nm Multimode, DLS 350 & RP 450-02	.01 dB	No	No	40 dB
TKS 650	Dual 1310/1550 nm Singlemode, DLS 355 / RP 450-02	.01 dB	No	No	60 dB
TKM 730	Dual 850/1300 nm Multimode, DLS 350 & RP 455-02	.01 dB	Yes, 1000 locations / λ	No	40 dB
TKS 750	Dual 1310/1550 nm Singlemode, DLS 355 & RP 455-02	.01 dB	Yes, 1000 locations / λ	No	60 dB
TKMS 760	Dual 850/1300 nm MM, Dual 1310/1550 nm SM, DLS 350, DLS 355 & RP 455-02	.01 dB	Yes, 1000 locations / λ	No	40 dB 60 dB
TKM 830	Dual 850/1310 nm Multimode, DLS 350 & RP 460-02	.01 dB	Yes, 1000 locations / λ	No	40 dB
TKS 850	Dual 1310/1550 nm Singlemode, DLS 355 & RP 460-02	.01 dB	Yes, 1000 locations / λ	No	60 dB
TKMS 860	Dual 850/1300 nm MM, Dual 1310/1550 nm SM, DLS 350, DLS 355 & RP 460-02	.01 dB	Yes, 1000 locations / λ	No	40 dB 60 dB

*All test kits include a hard carry case, 2.5 mm universal adapter for the power meter, clean wipes and instructions. All test kits may be upgraded 10 dB in dynamic range by replacement to the germanium based optical power meter with an InGaAs power meter.

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