23XT Fiber Optic Test Kit

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The Photodyne 23XT Fiber Optic Test Kit combines the Photodyne 2XT Optical Mini-Source and 3XT Optical Mini-Meter to provide a low cost test set. Using the latest in cost-effective design technology, the units perform a variety of measurements including:
• Attenuation testing
• Link conformance testing
   The 23XT test kits are complete loss test kits configured for either single-mode or multimode loss testing. All components are housed in a compact rugged case for transportation to and from the job site.
   The 23XT test kit includes:
• 2XT mini-source
• 3XT mini-meter
• Adapter caps
• Batteries
• Instruction card
• Appropriate jumper cable

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177XTG test set is designed to test optical networks for dB loss and provide power level measurements and fiber identification. The test set's wide dynamic range allows testing of single-mode fiber networks in all markets; such as CATV, Telco and Premises.
   The 177XTG -PC Upload Software package is a Windows-based product that automatically uploads data from the 177XTG test set for documentation. The uploaded data may then be converted to an Excel spreadsheet for maintaining a network database. The 177XTG, along with the upload software, is an economical fiber test management system.
   The test set includes:
• 7XT light source
• 17XTG hand-held power meter
• Connector adapter cap
• Two AC adapters
• Field portable carrying case
• Instruction manuals
   Optional accessories are:
• 17XTG-PC upload software

177XTG Test Set

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The Photodyne 177XTG Test Set is a fiber optic test set that reduces measurement time, improves quality of test results, stores loss measurements and automatically calibrates to reduce windshield time in end-to-end testing. Loss measurements are stored in the power meter's 600 internal memory locations for downloading to a printer or uploading to a personal computer. The

Product Referral Generator

Specifications for Fiber Optic Test Sets

Model	23XT-8513	23XT-1315	177XTG
Size H x W x D cm (in.)	22 x 14.4 x 9 (10 x 7 x 4.5)	22 x 14.4 x 9 (10 x 7 x 4.5)	18.6 x 9.5 x 4.6 (7.7 x 3.25 x 1.8)
Net weight kg (lbs.)	0.9 (2)	0.9 (2)	1.4 (3)
Shipping weight kg (lbs.)	3.4 (7.4)	3.4 (7.4)	3.6 (8)
Operating temperature	0° to 40°C (32° to 105°F)	0° to 40°C (32° to 105°F)	-5° to 50°C (23° to 122°F)
Storage temperature	-40° to 70°C (-40° to 158°F)	-40° to 70°C (-40° to 158°F)	-40° to 70°C (-40° to 158°F)
Battery type	9V alkaline	9V alkaline	Rechargeable
Battery life (hours)	20/5	20/5	5/20
AC power	N/A	N/A	Adapter
Transmitter	LED	LED	Laser Diode
Wavelength (nm)	850/1300 ±30	1300/1550 ±30	1310/1550 ±20
Output power (dBm) 62.5/125	-10/-20		—
9/125	—	-20/-20	-10
Spectral width (nm)	60	60	< 3 nm
Stability typical (dB) 1 hour	±0.1	±0.1	±0.05
24 hours	N/A	N/A	±0.05
Repeatability (dB)	0.2	0.2	0.2
Receiver			
Type of detector	Ge	Ge	Ge
Wavelength range (nm)	850 to 1550	850 to 1550	780 to 1600
Measurement accuracy (dB)	±0.5	±0.5	±0.25
Dynamic range (dBm) 850 nm	+3 to -50	+3 to -50	+24 to -54
1310 nm	+3 to -50	+3 to -50	+21 to -64
1550 nm	+3 to -50	+3 to -50	+20 to -64
Measurement resolution (dBm)	0.1	0.1	0.01
Display type	LCD	LCD	LCD
Other			RS-232C
Ordering information	**23XT-8513**	**23XT-1315**	**177XTG**
Packaging	1/cs.	1/cs.	1/cs.
Minimum order	1 each	1 each [87014699]	1 each [87203667]
With SC interface (C)	N/A	92748	36204
With FC-PC interface (J)	N/A	92749	36202
With ST* interface (T)	054007-92751	054007-92750	051138-36203