Specifications

This section lists the electrical, environmental, and physical specifications of the YOPM100 and 200 Optical Power Meters. All specifications are guaranteed unless labeled “typical”. Typical specifications are provided for your convenience and are not guaranteed.

The specifications in this section apply to the YOPM modules, unless otherwise specified. For NetTek Analyzer Platform specifications, refer to the NetTek Analyzer Platform User Manual.

Table 7: NetTek Analyzer YOPM module characteristics

Module	Range	Wavelengths	Power range
YOPM100	Standard	850, 980, 1300, 1310, 1480, 1550, 1625nm	+3 dBm to -65 dBm
YOPM200	Extended	980, 1300, 1310, 1480, 1550, 1625nm	+27 dBm to -43 dBm[1]

1 Limit exposure to high power (greater than +23 dBm) to less than 2 minutes. Follow high-power exposure by a cool-off time at least 15 times the exposure time.

Table 8: Physical characteristics

Module	Power range
Dimensions of the test head	Height: 135 mm (4.4 in) Width: 61 mm (2.4 in) Depth: 26 mm (1.0 in)
Weight	<0.18 kg (<0.4 lbs.)

Table 9: General characteristics

Characteristic	Description
Accuracy[1]	
980, 1300, 1310, 1480, & 1550 nm	±0.25 dB at calibration conditions, NIST Traceable
850, 1625 nm	±0.32 dB at calibration conditions, typical
Resolution of real-time display	0.01 or 0.1 (selectable)
Platform	
Hardware	Tektronix NetTek Y350 platform
Software	Windows CE version 2.13 and above
Number of stored tests	1152 tests (48 x 24 table)

1 **Within specified ambient environment of 23° C.**

Table 10: Environmental characteristics

Characteristic	Description
Temperature Range	
Operating	-10° C to +50° C
Nonoperating	-40° C to +60° C
Humidity, operating	5% to 95% RH
Altitude	
Operating	Up to 4.6 km (15,000 ft.)
Nonoperating	Up to 15.24 km (50,000 ft.)

Table 11: Certifications and compliances

Category	Standards or description	
EC Declaration of Conformity - EMC	Meets intent of Directive 89/336/EEC for Electromagnetic Compatibility. Compliance was demonstrated to the following specifications as listed in the Official Journal of the European Communities:	
	EN 61326	EMC requirements for Class A electrical equipment for measurement, control and laboratory use.
	IEC 61000-4-2	Electrostatic discharge immunity (Performance criterion B)
	IEC 61000-4-3	RF electromagnetic field immunity (Performance criterion A)
	IEC 61000-4-4	Electrical fast transient / burst immunity (Performance criterion B)
	IEC 61000-4-5	Power line surge immunity (Performance criterion B)
	IEC 61000-4-6	Conducted RF immunity (Performance criterion A)
	IEC 61000-4-11	Voltage dips and interruptions immunity (Performance criterion B)
	EN 61000-3-2	AC power line harmonic emissions
Australia / New Zealand Declaration of Conformity - EMC	Complies with EMC provision of Radiocommunications Act per the following standard(s):	
	AS/NZS 2064.1/2	Industrial, Scientific, and Medical Equipment: 1992
FCC	Emissions comply with FCC Code of Federal Regulations 47, Part 15, Subpart B, Class A Limits.	

Options, Accessories, and Replaceable Parts

The tables below list part numbers of options and accessories that you can order for your power meter. Contact your Tektronix representative or distributor for ordering information. See page vii for information on contacting Tektronix.

Table 12: SOC connector part numbers

Description	Part number
FC	119-5146-00
E2000	119-5165-00
ST	119-5144-00
Diamond 3.5	119-5172-00
SC	119-5145-00

Table 13: Standard accessories

Quantity	Part number	Description
1 ea	020-2357-00	Cleaning kit
1 ea	020-2414-00	English user manual and CD

Table 14: Replaceable Part

Part number	Description
116-1002-00	YOPM PCMCIA card