



## OC I specifications

### Software Utilities

Software update:	Ensure that your OC I is up-to-date with the latest software.
VNC configuration:	Virtual Network Computing utility allows technicians to easily remote control the unit via a computer or laptop.
Microsoft Internet Explorer:	Access the Web directly from your device interface.
Data mover:	Transfer all your daily test results quickly and easily.
Centralised documentation:	Instant access to user guides and other relevant documents.
Wallpapers:	Enhance your work environment with colourful and scenic backgrounds.
PDF Reader:	View your reports in PDF format.
Bluetooth file sharing:	Share files between your OC I and any Bluetooth-enabled device.
Wi-Fi connection:	Wireless inspection probe interface, upload test results and browse the Internet.
Inspection probe:	USB probe to inspect and analyse connectors.

### Power Meter <sup>a</sup>

Input connector:	Interchangeable adapter (LC, SC or FC) <sup>b</sup>
Detector type:	InGaAs
Measurement range:	(dBm) 5 to -75
Uncertainty:	± (5 % + 32 pW) <sup>c</sup>
Wavelengths range (nm):	800 to 1650

### Loss/Length <sup>a</sup>

Testing speed (typical):	Duplex: 2.6 seconds <sup>d</sup> (two wavelengths, one direction, automated)
Input/Output connectors:	Interchangeable adapter (LC, SC or FC) <sup>b</sup>
Wavelengths (nm) (typical):	<b>Quad</b> 850 ±20 1300 ±20 1310 ±20 1550 ±20
Source type	LED (multimode)                      Laser (single-mode)
Launch condition:	EF compliancy guaranteed at multimode source port Within TIA-526-14-B, ISO/IEC 14763-3 and IEC 61280-4-1 Encircled Flux template limits at the end of a reference-grade 50/125 µm test cord
Length measurement range:	Multimode: 20 km Single-mode: 160 km
Length measurement uncertainty (typical) <sup>d</sup> :	± (1.5 m + 1 % x length)
<b>Source</b>	
Output power (typical):	Multimode: -25 dBm Single-mode: -1 dBm
Output power stability (typical):	Multimode: ±0.05 dB over 8 hours Single-mode: ±0.1 dB over 8 hours

#### Notes:

- a. At 23 °C ± 1 °C and 1550 nm, on batteries and after 15 minutes of warm up, unless specified otherwise.
- b. Specifications are provided with FC type connectors.
- c. Uncertainty is valid at calibration conditions.
- d. In duplex.



**Visual Fault Locator (VFL - optional)**

Laser, 650 nm: ± 10 nm  
CW/Modulate: 1 Hz  
Typical Pout in 62.5/125 µm: > -1.5 dBm (0.7 mW)  
Laser safety: Class 2

**Environmental:**

Temperature: Operating -10 °C to 50 °C (14 °F to 122 °F)  
Storage -30 °C to 70 °C (-22 °F to 158 °F) a  
Relative humidity: 0 % to 95 % noncondensing

**General:**

Display: 7-in (178-mm) outdoor-enhanced touchscreen, 800 x 480 TFT  
Size (H x W x D): 166 mm x 200 mm x 68 mm (6 9/16 in x 7 7/8 in x 2 ¾ in)  
Weight (with battery): 1.5 kg (3.3 lb)  
Interfaces: Two USB 2.0 ports  
RJ-45 LAN 10/100 Mbit/s  
Storage: 2 GB internal memory (150 000 test results, typical)  
Battery: Rechargeable lithium-polymer battery  
12 hours of operation  
Power supply : Power supply AC/DC adapter, input 100-240 VAC, 50-60 Hz, 9-16 V  
DCIN 20 W minimum  
Warranty: 3 years  
Recommended recalibration period: 3 years

**Laser Safety:**

CLASS 1 LASER PRODUCT

**Note**

a. -20 °C to 60 °C (-4 °F to 140 °F) with the battery pack.

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