

NETWORK TESTER

PCE-OFT 10



- » **Optical power meter (OP): 850 ... 1650 nm**
- » **Red light source RL (VFL): 650 nm**
- » **Optical light source (Light Source): 1310, 1550 nm**
- » **Charging interface: USB Type-C**
- » **Compatible connectors: FC, SC and ST**
- » **REF function for relative power and insertion loss**
- » **Combined OPM and light source function**
- » **Low battery indicator**

The network tester combines an optical power meter (OPM), optical light source and red light source (VFL) in a compact measuring instrument for testing fibre optic connections. As a versatile fibre optic tester, it enables measurement of optical power, determination of light attenuation and quick localisation of fault points and fibre breaks in fibre optic cables. The network tester is suitable for installation, maintenance and troubleshooting in fibre optic networks.

The integrated optical power meter (OPM) supports wavelengths from 850 to 1650 nm (850, 980, 1270, 1300, 1310, 1490, 1550, 1577, 1625 and 1650 nm) and covers a measuring range from -70 to +10 dBm. Using the REF function, a reference value can be stored in order to determine relative power and insertion loss reliably.

The optical light source (Light Source) operates at 1310 and 1550 nm and is ideally suited for attenuation measurements on single-mode fibre optics. Thanks to the combined OPM and light source function, measurements can be carried out particularly conveniently with the network tester. Modulation frequencies of 270, 1000 and 2000 Hz are also available.

For quick troubleshooting, the network tester has an integrated red light source (RL/VFL) with a wavelength of 650 nm.

Specification

Power	
Measuring range	-70 ... +10 dBm
Resolution	0,01 dBm

General technical data	
Units	dBm, Hz, nW
Display type	LC colour display
Display size	2,3 Inch
Interface	USB-C
Automatic power-off	30 min
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	5V DC (USB-C)
Capacity	1500 mAh
Performance	5,55 Wh
Operating conditions	-20 ... 50 °C , 0 ... 90 % RH
Storage conditions	-20 ... 50 °C , 0 ... 90 % RH
Dimensions (L x W x H)	145 x 90 x 30 mm
Weight	200 g