

DATA SHEET



FlowScout OLTS MPO optical loss test kit

FEATURES

- First native 16-fibre tier 1 OLTS tester for single-mode networks, enabling full MPO link testing in one fast, efficient pass.
- Performs 16-fibre pass/fail analysis in just six seconds per port to cut test time in half.
- The large colour display with icon-based interface simplifies setup, testing, and results interpretation.



POWER METER	MPO POWER METER	DUPLEX POWER METER
OPTICAL INTERFACE	Shuttered MPO-16 pinned	Interchangeable connector adapter (LC standard)
DETECTOR TYPE	InGaAs	
CALIBRATED WAVELENGTHS	1310nm, 1550nm	
POWER MEASUREMENT RANGE	-50 to +3dBm	-60 to +3dBm
ACCURACY	±5% at -10dBm	
LINEARITY	±0.15dB	
MEASUREMENT UNITS	dB, dBm	
DISPLAY RESOLUTION	0.01dB	
STORAGE CAPACITY	10,000 results	
LENGTH MEASUREMENT RANGE	Up to 25km under certain conditions	
WARM UP TIME	Immediate	
LENGTH MEASUREMENT ACCURACY	±1m ±1% of length	
CALIBRATION PERIOD	3 years	
LIGHT SOURCE	MPO LIGHT SOURCE	DUPLEX LIGHT SOURCE
OPTICAL INTERFACE	Shuttered MPO-16 pinned	Interchangeable connector adapter (SC standard)
SOURCE TYPE	Laser	Laser
SAFETY CLASS	Class I	Class I
WAVELENGTHS	1310 ±20nm, 1550 ±20nm	
SPECTRAL WIDTH	<5nm	
OUTPUT POWER	-9dBm typical at 1310nm, -4dBm typical at 1550nm	-4dBm typical
STABILITY	±0.1dB over 1 hour (after 15-minute warm-up), ±0.15dB over 8 hours (after 15-minute warm-up)	
WARM-UP TIME	15 minutes	
OLTS SYSTEM	MPO OLTS SYSTEM	DUPLEX OLTS SYSTEM
TEST TIME	6 seconds (16 fibers)	2 seconds
GENERAL		
SIZE	22 x 11 x 5.5cm	
WEIGHT	900g	
SCREEN	5-inch capacitive color touchscreen	
INTERFACE	Bluetooth 5.1 BLE	
POWER AND DATA TRANSFER	USB-C	
OPERATING TEMPERATURE	-10°C to +50°C, 0 to 90% RH (non-condensing)	
STORAGE TEMPERATURE	-20°C to +60°C, 0 to 90% RH (non-condensing)	
POWER	Rechargeable Li-Ion or AC power adapter	
BATTERY LIFE	>8 hours continuous testing	

NOTES

All specifications valid at 23°C ±2°C unless otherwise specified. Accuracy measured at 25 °C and -10 dBm per N.I.S.T. standards.