

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.