

Scope of accreditation No AP 210

RATEART Calibration Laboratory

Lenartowicza 24

93-143 Łódź

Instrument type	Measuring range	Expanded Measurement Uncertainty (k=2)	Remarks
Optical Time Domain Reflectometer for singlemode fibers (OTDR)	<p>1310 nm: 2346,14 m</p> <p>1550 nm: 2347,16 m</p> <p>1625 nm: 2347,82 m</p>	<p>0,04 m</p> <p>0,22 m</p> <p>0,28 m</p>	<p>Internal calibration procedure PW-01.</p> <p>Optical length measurement.</p>
Optical Time Domain Reflectometer for multimode fibers (OTDR)	<p>850 nm: 109,50 m</p> <p>1300 nm: 109,07 m</p>	<p>0,12 m</p> <p>0,08 m</p>	<p>Internal calibration procedure PW-02.</p> <p>Optical length measurement.</p>
Optical light source Optical Time Domain Reflectometer for singlemode fibers (OTDR)	<p>1310 nm: (-50 ÷ 5) dBm</p> <p>1550 nm: (-50 ÷ 5) dBm</p> <p>1625 nm: (-50 ÷ 5) dBm</p>	<p>5,28 %</p> <p>5,30 %</p> <p>5,28 %</p>	<p>Internal calibration procedure PW-01, PW-04 based on PN-EN 61280-1-1:2013-10 standard.</p> <p>Optical power level measurement.</p>
Optical light source Optical Time Domain Reflectometer for singlemode fibers (OTDR)	<p>1310 nm (1500 ÷ 1640) nmm</p>	<p>0,002 nm 0,002 nm</p>	<p>Internal calibration procedure PW-01, PW-04 based on PN-EN IEC 61280-1-3:2022-04 standard.</p> <p>Central wavelength measurement.</p>
Optical power meter	<p>1310 nm: (-50 ÷ 5) dBm</p> <p>1490 nm: (-50 ÷ 5) dBm</p> <p>1550 nm: (-50 ÷ 5) dBm</p> <p>1625 nm: (-50 ÷ 5) dBm</p>	<p>2,44 %</p> <p>2,46 %</p> <p>2,44 %</p> <p>2,44 %</p>	<p>Internal calibration procedure PW-03 based on PN-EN IEC 61315:2019-10 standard.</p> <p>Optical power level measurement.</p>