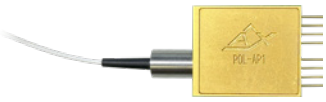
Optical Test & Measurement Solutions

Product Catalogue 2026

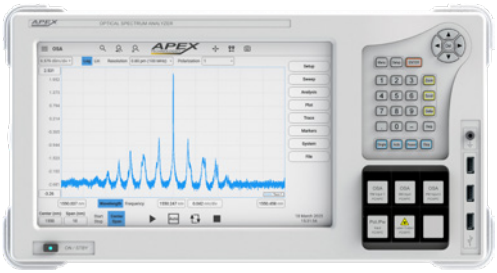








OSA-APX

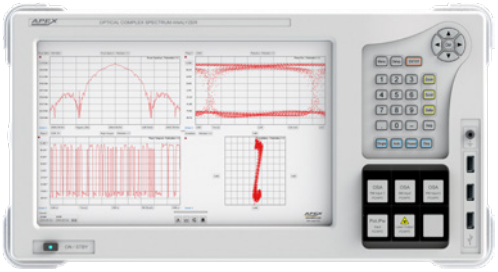


OPTICAL SPECTRUM ANALYZER

The World's Highest Resolution OSA

- High spectral resolution:
  - 5 MHz / 40 fm
  - 380x more resolution than best grating-based OSA
- Multiple wavelength ranges:
  - 844 to 1630 nm
- Absolute wavelength accuracy
  - +/- 2 pm
- High dynamic range:
  - Up to +87 dB
  - >2x the sensitivity of best grating based OSA
- Component analysis and polarimeter options

OCSA-APX



OPTICAL COMPLEX SPECTRUM ANALYZER

High Resolution OSA and a 3 THz Bandwidth Optical Modulation Analyzer in a Cost Effective Equipment

- Combines:
  - OSA
  - Modulation analyzer
  - Wavemeter
  - Polarimeter
  - Component analyzer
- No Baud rate limitation
- High close-in dynamic range
- Phase-related analyses:
  - Intensity & phase *vs* frequency
  - Alpha parameter
  - Chirp *vs* time
  - Constellation
  - Eye diagram
  - Group delay & chromatic dispersion
  - Complex transfer function of components

OFDR-APX



OPTICAL FREQUENCY DOMAIN REFLECTOMETER

OFDR with the Highest Dynamic Range on the Market

- High dynamic range:
  - 85 dB
- High total range
  - 122 dB
- High resolution:
  - < 8 µm
- C+L, O, and T bands (other bands under request)
- Both reflection and transmission modes
- Measuring length modes:
  - 2 meters
  - 11 meters
  - 45 meters
  - 90 meters
  - 181 meters
  - 244 meters

TLS-APX
TLS-APBX

TUNABLE LASER SOURCE

Wide (up to 110 nm) mode-hop-free tuning over many wavelength ranges, between 780 nm and 1630 nm



NEW

- Benchtop or OEM
- High output power:
  - Up to +13 dBm
- Narrow linewidth:
  - Gaussian < 133 kHz
  - Lorentzian 10 kHz
- Clean emission:
  - SMSR: 55 dB/0.8 pm
  - No ASE: 90 dB/100pm
- Wavelength accuracy:
  - ± 2 pm
- Relative Intensity Noise:
  - RIN < -158 dB/Hz

POL-APX

FIBER-COUPLED POLARIMETER

Real time SOP, DOP and Power monitoring



- State of Polarization (SOP) measurements
- Degree of Polarization (DOP) measurements
- Polarization Extinction Ratio PER measurements
- Alignment of PM fibers
- Four Stokes parameters measurement, displayed as:
  - Jones graph
  - Poincare sphere
  - Stokes parameters oscilloscope

ASE-APX

AMPLIFIED SPONTANEOUS EMISSION SOURCE



Broadband ASE source

- Wide band, multiple ranges:
  - T band (±1064 nm)
  - C, L, or C+L bands
- High output power:
  - Up to +23 dBm
- Spectrum flatness:
  - ~ 2 dB (C+L band)
  - 8 dB (T band)

SLED source

- O band:
  - 1270 to 1350 nm
- High output power:
  - Up to +13 dBm
- Spectrum flatness:
  - ~ 3 dB

See the invisible ▶ Create the impossible

APEX Technologies – Experts in Next Generation Test Equipment

OPTICAL MULTITEST PLATFORMS

High Performance & Cost-effective

AP1000-X



- Flexible multitest platform with 2, 5, 8 or 12 slots mainframes
- Choose your modules to integrate:
  - DFB Lasers
  - Optical power meters
  - Optical amplifiers (EDFA)
  - Variable optical attenuators (VOA)
  - Optical tunable filters
  - Optical switches
  - Polarimeter

PXIe modules

NEW



Next-gen optical modules for standard PXIe chassis:

- Optical Component Analyzer (OCA)
- Optical powermeters (OPM)
- 6-states Polarization State Generator (PSG)
- Inline & End-of-line Polarimeters (POL)
- Variable optical attenuators (VOA)
- Optical Switches (OSW)
- ...and more

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