



AP2740 series
Optical Modulation Analyzer

Optical Linear Sampling Oscilloscope

Transmission rates up to 112 GBaud

Polarization diversity

Real Time measurement (5 Hz)

OPTICAL MODULATION ANALYZER

APEX Technologies with the collaboration of Alcatel-Lucent III V Lab, the ENSSAT and the Telecom ParisTech graduate engineer schools are actually developing an Optical Modulation Analyzer (OMA). This OMA is an optical oscilloscope with an ultra high linear sampling rate (>112 Gbaud). It can measure the intensity and the phase of advanced modulation formats as QPSK, DP-QPSK, 16 QAM, 64 QAM... and display the phase, the intensity, the constellation, the eye diagram, the BER estimation and the EVM.



PRELIMINARY SPECIFICATIONS

Screen	12.1 inch, color TFT
Front keyboard	Yes
USB connector	Yes
Internal memory	More than 1 000 traces
File format	Trace file (.dat, .txt), setup file, screen copy (.bmp), marker table
Mouse and keyboard	Yes (USB type in front panel)
GPIO	Yes
Ethernet	Yes (10/100 base T)
Operating temperature	+10°C to + 35°C
Power requirement	AC 100 to 120V / 200 to 250V, 50/60Hz
Optical input	FC/PC SMF28

	AP2740A
Transmission rates	Up to 112 GBaud
Wavelength range	C band
Polarization	2 Modulation Analyzers, 1 for each polarization channel
Measurement frequency	5 Hz
Detection Threshold	-15 dBm
Maximum measurable EVM	40%
Amplitude (EVM) error	~3%
Maximum input power	+10 dBm
Clock	Clock recovery (automatically)
Modulation format	BPSK, DPSK, QPSK, DP-QPSK, 16QAM, 64 QAM...
Pattern Analysis	Including PRBS patterns
Intensity, Phase, Constellation, Eye diagram, EVM, BER...	

For further information or to book a demonstration, contact us or your local distributor.

Your local contact.



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