Tektronix®

Achieve 70 GHz Coherent Optical Testing

with the OM70000 Series 70 GHz Optical Modulation Analyzer System

The OM70000 Series 70 GHz System

Get ready to tackle 400G and 1 Terabit long haul communications system work with the scalable architecture of the 70 GHz OM70000 Optical Modulation System. This system has the industry's lowest noise and a high bandwidth receiver to acquire and analyze the fastest optical modulation formats on the market.

System Components

DPO70000SX Real-Time Oscilloscope provides the **industry's lowest-noise real time acquisition** at 200 GS/s based on ATI technology.

Industry-leading 70 GHz dual-pol coherent receiver with 4 optical extender heads for direct connection to the oscilloscope inputs.

OM1106 Optical Modulation Analyzer Software with **built-in support for multi-carrier** user defined superchannel setup.

Test equipment is shipped in a rack system with extendable monitor arm for in-lab analysis

Tektronix Service & Support

Tektronix stays with you through the integration of complex measurement processes in your lab or manufacturing operation. Our field application engineers are available on-site to provide expert level support for measurement connectivity, oscilloscope operation and analysis tool insights.

Ensure Support for OIF & IEEE Standards

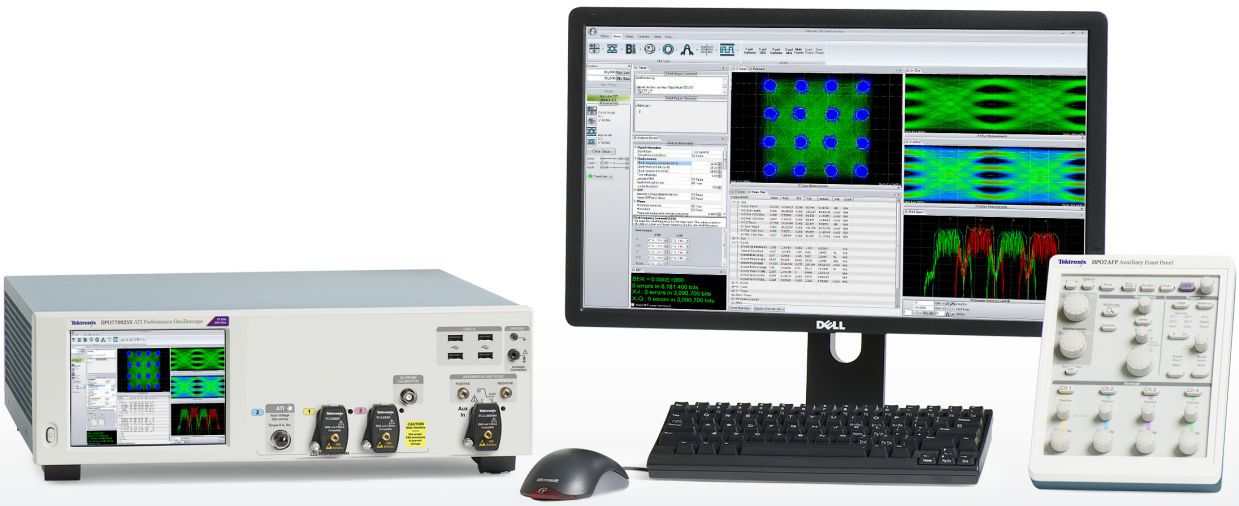
Tektronix is well-represented amongst the datacom standards community, enabling the industry to continuously improve the capacity and precision of long-haul fiber optics networks.

Detect Modulation Errors Quickly

As you seek out the most-efficient coherent modulation methods for data transfer Tektronix solutions work with you; enabling you to customize your DSP analysis and visualization for non-standard modulation techniques.

Visit tek.com/DPO70000SX

OM70000 Series 70 GHz Optical Modulation Analyzer System



All systems include: user manual, power cord, mouse, three short low-loss cables, system rack, external monitor and a one-year warranty. Three- and five-year warranties are available along with other premium service options.

SPECIFIED PERFORMANCE OF THE OM70000 SYSTEM	
3dB Cut-off Frequency (GHz)	Typical 70
Digitization	2x DPS77004SX Oscilloscopes
Sample Rate	200 GS/s
Resolution	8 bits
Memory Depth	62.5 Mpoint standard, 1Gpoint Max
Triggering	Full SX Oscilloscope Functionality
Operating Wavelength Range (nm)	1527.6 – 1609.62 (C+L-band)
Optical Input Power (dBm)	
LO	Max +16 dBm
Signal	Max + 12 dBm
Optical Input	FC/APC Standard
Included Narrow Linewidth Lasers	One C & One L Band Laser via the included OM2012 laser source
Linewidth	100 kHz
Maximum Power Output	15.5 dBm
C-band Tuning Range	1527.6 nm to 1567.54 nm
L-band Tuning Range	1567.54 nm to 1609.62 nm

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