



VIAM VINA

VIAM VINA TECHNOLOGY CO., LTD.

multiLane



[www.viamvina.com.vn](http://www.viamvina.com.vn)

## 8. MultiLane DSO/TDR Test Equipment



### TDR/TDT ML4025



The **ML4025-TDR** is a state of the art TDR/TDT and at the same time a Digital Sampling Oscilloscope with CDR. The DSO automatically performs accurate eye-diagram analysis at 35 GHz

- ▶ Time Domain Transmission
- ▶ Time Domain Reflectometry
- ▶ Jitter Components Decomposition
- ▶ Eye Pattern Measurement
- ▶ Eye Mask Test
- ▶ Advanced Pattern Acquisition
- ▶ Pre and Post emphasis Measurement
- ▶ CDR Option
- ▶ Impedance Test

### ML4015D



The **ML4015D** is a fully featured, cost effective single channel optical sampling oscilloscope that is also available as an electrical oscilloscope. It can be configured to have an analog optical bandwidth of 25 or 40 GHz. The supported range of wavelengths is either 1260 to 1650 nm Single-Mode or 750 to 860 nm Multi-Mode. The electrical version is available either with a 32 GHz sampling head or with 50 GHz.

- ▶ A noise floor of 5  $\mu$ W at an analog bandwidth of 25 GHz, and 6-7  $\mu$ W at 40 GHz bandwidth
- ▶ Up to 50 - 70 MHz sampling rate
- ▶ Less than 15 seconds TDECQ on a SSPRQ pattern
- ▶ Sensitivity level of -11 dBm for a 25.78 Gbps NRZ signal

### ML4070-SFP



The **ML4070-SFP** is a state-of-the-art transceiver test set specifically designed for quick production testing of Go/No Go applications

- ▶ VSR Trace Length Margining
- ▶ Power Supply Margining
- ▶ PS Noise Margining
- ▶ Bit Rate Margining
- ▶ Bathtub Curve Measurement
- ▶ Eye Contour Measurement
- ▶ Receiver Sensitivity

### ML1016D-CR-53PS



The **ML1016D-CR** is a 53.125 GBd PAM4 Optical Clock Recovery Modules ideally suited for 100G Lambda MSA optical measurements. The recovered clock can trigger the ML4015D Optical Scope to perform 53.125 GBd PAM4 optical measurements such as TDECQ, OMA, and ER. ML1016D-CR supports a variety of standards such as 400GBASE-DR4/FR4/LR4, and 100GBASE-DR/FR/LR

- ▶ 26.6/53.1 GBaud PAM4 Optical Clock Recovery Module
- ▶ Also supports 26.56 GBd PAM4 and 25G NRZ
- ▶ Triggers ML4015D Optical Scope for Optical Transmitter TDECQ measurement



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## CÔNG TY TNHH CÔNG NGHỆ VIAM VINA

📍 Tầng 1, Số 10 Đường Hoàng Ngân, Phường Ninh Xá,  
Tp. Bắc Ninh, tỉnh Bắc Ninh

☎ 0222 3895 596

☎ 0969 095 867

✉ [sales@viamvina.com.vn](mailto:sales@viamvina.com.vn)

