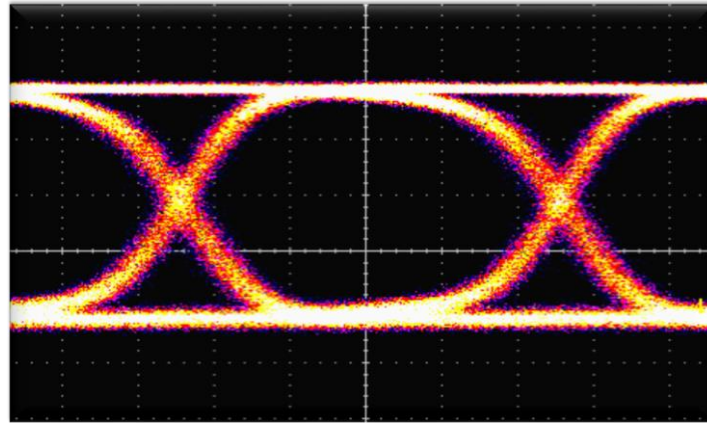


BER MEASUREMENTS (BIT ERROR RATE)

DESCRIPTION

AdvEOTec expands its measurement services and now offers its customers the characterization of high-speed telecom components. By equipping itself with a state-of-the-art 29Gb/s 4-channel BERT analyzer (BER tester), the company is now able to meet the needs of manufacturers and laboratories wishing to characterize the high-speed digital transmission of optical and electric transmitters and receivers.

Other specificity of **AdvEOTec** : the possibility of subjecting tested components to thermal cycling or vibrations at the same time as BER measurement.



Types of components :

- Optical transceivers,
- Electronic transceivers,
- Others...

According to standards such as :

- Telcordia standards
- IEEE standards
- Others...

Specifications :

| Parameters | Min | Typ. | Max | Comments |
|--------------------------|------------------------|----------|-------------|-------------------------|
| Generator model | | | | |
| Output level | 200mV | - | 1100 mV ppp | |
| Instability level @25G/s | 450fs | 550fs | 650fs | Normal mode |
| Instability level @25G/s | 1.97ps | - | 3.4ps | Mode instability |
| Impedance | | 100 Ohms | | Differential |
| Connector | | 2.92mm | | Differential |
| Incoming models | PRBS 2n-1, n=7, 15, 31 | | | 1.25-14.5 Gb/s |
| | PRBS 2n-1, n=9, 15, 31 | | | 25-29 Gb/s |
| Output triggering | | | | |
| Output level | | 500mV | | Fin, AC couplé, 50 Ohms |
| Clock rate | ½, ¼, 1/10, 1/20 | | | 1.25-14.5 Gb/s |
| | ½, ¼, 1/8, 1/16, 1/32 | | | 25-29 Gb/s |

**Other test configurations, contact us...*

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