

Tektronix 80E02

Electrical Sampling Module



Limited Availability
Used and in Excellent Condition

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Electrical Sampling Modules

80E02

Features & Benefits

ALL MODULES

- Up to 70 GHz Bandwidth and 5 ps Measured Rise Time (10 - 90%)
- Lowest Noise for Analysis – 450 μ V_{RMS} at 60 GHz, 300 μ V_{RMS} at 30 GHz
- Remote Samplers*1 Enable Location of Sampler Near DUT and Ensure Best Signal Fidelity
- Independent Sampler Deskew Ensures Easy Fixture and Probe De-embedding
- Precision Microwave Connectors (3.5 mm, 2.92 mm, 2.4 mm and 1.85 mm)
- Probe Support

TDR MODULES

- 15 ps Reflected True Differential Fully Integrated TDR Rise Time (12 ps Incident) and Feature Resolution Below 1 mm
- Efficient, Accurate, Easy to use, and Cost Effective S-parameters up to 50 GHz

Applications

- Impedance Characterization and S-parameter Measurements for Serial Data Applications
- Advanced Jitter, Noise and BER Analysis
- Channel and Eye Diagram Simulation and Measurement-based Spice Modeling

80E02

- Device Characterization, Transmission Quality, Waveform Parameters
- Low Signal Measurements

SAMPLING MODULES: 80E02

The 80E02 is a dual-channel, 20 GHz sampling modules and provides an acquisition rise time of 28. Optional 2 meter extender cable is available.

When used with Tektronix 80SJNB Jitter, Noise, & BER software, these modules enable separation of both jitter and noise into their components, understand precise causes of eye closure, and obtain highly accurate extrapolation of BER and 3-D eye contour. When used with 82A04 phase reference module, timebase accuracy can be improved down to 200 fsRMS jitter, which together with the 300 μ V noise floor and 14 bits of resolution ensures the highest signal fidelity for the measured signals.



Product(s) are manufactured in ISO registered facilities.



Product(s) complies with IEEE Standard 488.1-1987, RS-232-C, and with Tektronix Standard Codes and Formats.

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[Introduction](#)
[Characteristics/Specs](#)

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