

NEW TRIMODE P7725 PROBE + 7 SERIES DPO

Better Margins Start with Signal Fidelity.

Preserve the signal detail needed for confident validation and margin decisions with the **TriMode™ P7725 25 GHz probe**, combining high-impedance RC input topology and flexible signal access with the low-noise **7 Series DPO** measurement platform.



See issues earlier

Identify high-speed problems before they reach production.

Validate with confidence

Retain fidelity for specification and margin decisions.

Move to insight

Turn measurements into actionable design guidance.

Engineered for High-Speed Serial Validation and Debug

Capture the Signal, Not the Measurement System

At faster edge rates, probe loading, noise, jitter, and interconnect loss can hide the margin you are trying to measure. The P7725 probe and 7 Series DPO create a low-noise, low-jitter measurement path that helps retain low-amplitude waveform details and automatically de-embeds the probing system. The result is cleaner visibility into eye openings, timing behavior, and the causes of margin loss.



High-impedance access

RC input impedance and a small active-tip form factor help reduce loading at the probe point and preserve fast, clean edges with minimal ringing.



Low noise acquisition

The 7 Series DPO combines bandwidth up to 25 GHz with low noise, high ENOB, and low intrinsic jitter for demanding serial measurements.



Automatic de-embedding

Automatic probe-system de-embedding streamlines setup and helps separate device behavior from measurement-path effects.

One probe across critical high-speed digital workflows



DDR / LPDDR

DDR5/DDR6, LPDDR5/LPDDR5X, LPDDR6



HDMI

2.0 / 2.1 / 2.2



DisplayPort

1.4 / 2.1



MIPI

C-PHY / D-PHY / M-PHY

A Complete Solution from Probe Point to Margin Insight



Flexible access for the signal in front of you

Choose the right probing approach for the signal, test point, and workflow.

A. P77STFLXA24

Active Solder-In Tip

Up to 24 GHz

- Small, low-loading flex tip for delicate or difficult-to-reach nodes
- Ideal for vias, backside pads, and SI interposers
- Two tips included with the P7725 probe

B. P77C292MM

2.92 mm SMA Adapter

Up to 25 GHz

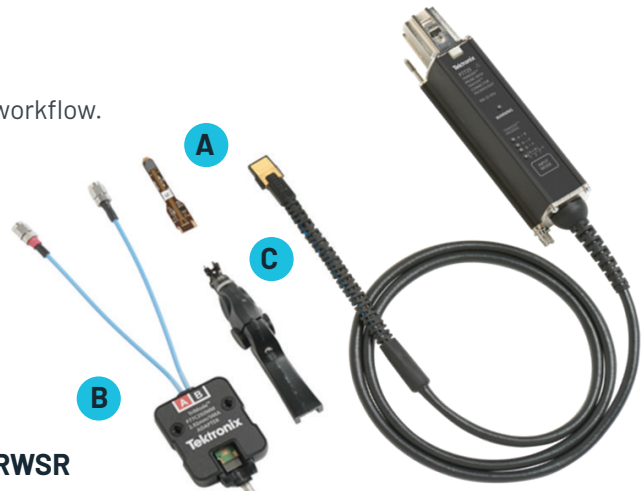
- Connect to 2.92 mm, 3.5 mm or SMA connectors with full bandwidth and low noise
- Adjustable $\pm 4V$ offset and termination voltage

C. P77BRWSR

Handheld Browser

Up to 16 GHz

- Handheld or placed in a stand for quick measurements and debug
- Adjustable tip spacing down to 0.2 mm for fine-pitch components and differential traces
- Built-in headlight improves visibility and probe placement



Low Noise Acquisition

The 7 Series DPO delivers high-fidelity capture of critical waveform details.

- 4 or 8 analog channels
- 8 GHz - 25 GHz bandwidth
- Up to 125 GS/s sample rate
- Low-noise 12-bit ADC signal path

Perform root-cause analysis, evaluate tradeoffs, and optimize timing and eye margins directly on the 7 Series DPO with optional analysis software.

Signal Integrity Modeling

De-embed and embed channel elements, then evaluate equalization strategies to understand how interconnect choices affect the eye.

Jitter and Noise Analysis

Decompose jitter and noise sources, correlate them with eye closure, and evaluate their effect on timing margin.

Learn More

[P7725 Probe](#)
[7 Series DPO](#)

[Signal Integrity Modeling](#)
[Jitter and Noise Analysis](#)