

Winning Oscilloscope Series Engineered for 32 GHz True-Analog Bandwidth

Agilent's 90000 X-Series oscilloscopes, one of the world's fastest real-time oscilloscopes, were introduced in April 2010 with volume customer shipments beginning this month. The 90000 X-Series scopes are engineered for 32 GHz true-analog bandwidth that delivers the industry's highest real-time scope measurement accuracy, the industry's only 30-GHz oscilloscope probing system, and the industry's first application-specific measurement software, according to the company. These oscilloscopes are able to deliver the highest measurement accuracy because they offer the highest true analog bandwidth (32 GHz), the lowest oscilloscope noise floor (2.04 mV at 50 mV/div, 32 GHz), and the lowest jitter measurement floor (150 fs). Agilent's proprietary indium phosphide (InP) integrated circuit process enables high-frequency oscilloscope capability while yielding the industry's lowest noise floor and jitter measurement floor. Custom aluminum nitride packaging technology combines five InP chips in the front-end multichip module, which incorporates unique noise shielding and heat dissipation techniques.

Source URL (retrieved on 03/06/2015 - 7:55pm):

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