

High-Definition Oscilloscope



Agilent Technologies Inc. has introduced Infiniium 9000 H-Series high-definition oscilloscopes. The four models come in bandwidths of 250 MHz, 500 MHz, 1 GHz, and 2 GHz, and offer up to 12-bit vertical resolution. The oscilloscopes also include deep standard memory of up to 100 Mpts per channel.

The 9000 H-Series uses a combination of hypersampling and linear noise-reduction technology to provide noise levels three times lower than traditional 8-bit oscilloscopes. This reduced noise enables users to view and resolve small signals that 9-bit oscilloscopes cannot measure.

As probing systems also induce measurement noise, Agilent has developed a new series of low-noise probes designed to allow engineers to view and analyze small-current signals. The N2820A and N2821A Ac/DC current probes offer high sensitivity, going down to 50 μ A, with a maximum current range of 5 A. These probes work in cooperation with the oscilloscopes to offer sensitive current measurements. The higher sensitivity is useful for measuring current consumption of battery-powered mobile devices or integrated circuits.

Agilent Technologies Inc., www.agilent.com [1]

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