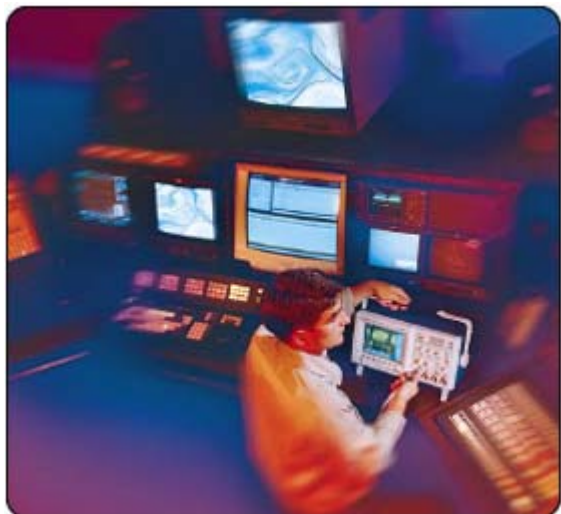


TDS3000B Series Digital Phosphor Oscilloscopes Adapt to Wide-Ranging Video Measurement Needs



A Tell-All Tool for Video Troubleshooting

Many video engineers have remained loyal to analog oscilloscopes, believing the gradations on an analog display are the only way to see certain video waveform details.

The TDS3000B has the same information-rich display as an analog oscilloscope, but with much more detail. Tektronix DPO technology provides a live display that captures anomalies while providing the intensity-graded vision you need to interpret the waveform. Both patterns and one-time events are easy to see and understand.

With up to 500MHz bandwidth and four inputs, the TDS3000B family provides ample performance for analog and digital video use. The TDS3000B is compact and light enough to meet field requirements as well as design and evaluation needs on the engineering bench. Two optional video modules add easy-to-use, video-specific measurement and display tools to the TDS3000B DPO series.

TDS3VID Extended Video Module

The TDS3VID video module transforms a TDS3000B oscilloscope into a full-featured video test tool. The module adds a vectorscope display (standard TV and HDTV-compatible) and graticules for color bars, as well as all the necessary triggering for existing and emerging line rate standards. The TDS3VID module also makes it possible to display an actual video image on the TDS3000B screen and select individual lines to examine in detail.

TDS3SDI 601 Serial Digital Video Measurement Module

ITU-R BT.601 Serial Digital Video has become the digital transfer standard for in-studio use. The TDS3SDI converts the digital video stream into familiar analog signals and offers component (YpbPr or RGB) and composite outputs. It also has HDTV triggering, vectorscope and video picture mode display. The TDS3000B family, when equipped with the TDS3VID or TDS3SDI modules, simplifies a wide range of video measurement operations:

- Signal present and video picture checks (with on-screen video)
- Line count triggering
- Automated video amplitude and timing measurements
- Triggering for diverse standards, including HDTV
- Video recorder "Tape Run" adjustments
- Correct operation verification, and more.

The TDS3000B Series' standard TekProbe® interface is compatible with the TCP202 Current Probe and the P5205 Differential Probe provides safe and accurate measurements on ungrounded circuits. When the TCP202 and P5205 are used together, the TDS3000B provides voltage, current, and power waveforms as well as scaled numerical readings in appropriate units.