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VT4101A 6.5 Digit DMM/Counter
VT2000 6.5 Digit DMM/Counter/AWG

Features

- Multi-function, Pre-configured C-Size Modules
- VT4101A comes with Tektronix VX4101A Translation Replacement Drivers
- VT2000 Combines the Core Test Instruments Required for Functional Test in a Single VXI Slot
- Unmatched Density and Performance in any Footprint Worldwide
- 200 MHz Counter/Timer
- 6.5 Digit System DMM
- 50 MSa/s Function Generator/AWG
- SCPI based Command Sets with VXI*plug&play* Drivers per Instrument

Overview

The VT2000 combines three powerful instrumentation quality designs (DMM, AWG and counter/timer) in a single slot VXIbus module. All three VMIP™ instruments are message-based devices, with SCPI command sets and separate VXI*plug&play* drivers. Additionally, each one of these instruments outperforms its competitive counterparts in both measurement performance and system throughput, making them the ideal choice for any functional ATE system.

ATE Synchronization

Both the VT4101A and VT2000 are designed to work closely with our SMIPII™ switching family. This provides for synchronous time and frequency measurements with minimal controller overhead. Each instrument can also be operating completely independently from the others, allowing measurement and signal sourcing to occur in parallel, considerably improving test throughput.

Specifications

For more detailed specifications and additional features, please refer to the individual data sheets (VM2164 counter/timer, VM2710A DMM, VM3640 AWG).

Counter/Timer
200 MHz Frequency Range for both A and B Channels

1 ns Time Interval Resolution (100 ps with averaging)

9-digit Resolution in 1 Second Gate Time

Up to 32,000 On-board Readings and up to 200 readings/s Over the VXIbus

DMM
V dc, V ac, I dc, I ac, 2- and 4-wire ohm Measurements

Two Balanced Differential Isolated Inputs

Up to 256,000 On-board Readings and up to 2000 readings/s Over the VXIbus

6.5 Digit Resolution with System Level Accuracies

AWG/Function Generator
Up to 50 MSa/s Sampling with 12-bit Resolution

Up to 120 kB Horizontal Points

Built-in Sine, Square, Ramp, Triangle, Noise, and Waveform Function Generation

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