

Subject: VTI Instruments Tech Talk Newsletter
From: VTI Instruments <vti@vtiinstruments.com>
Date: Wed, 29 Aug 2012 13:47:19 -0400
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VTI Tech Talk



VTI WEBSITE | **INTEGRATED DAQ** | **RF & MICROWAVE**
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August 29th, 2012

VTI Instruments Showcase at Autotestcon

VTI will be unveiling the latest in PXIe and LXI based instrumentation at the functional test industry's most influential tradeshow, Autotestcon, September 11th-13th, booth 1118. Senior VTI sales and applications engineers will be available to answer questions about [VTI's functional test equipment and ATE services](#).



Displays and demonstrations will be open to the public with the latest in PXIe instrumentation from switch, measure, and control cards, to VTI's new rugged self-monitoring PXIe chassis. VTI will also be exhibiting for the first time the [EX1200-ICA](#), rack mounted switching core for high I/O automated test, adopted from VTI's development of the switching core for U.S. Navy's ECASS tester.

FEATURED PRODUCT

Precision DC Powered Thermocouple and Voltage Measurement Instrument

VTI Instruments is pleased to announce the release of the [EX1000A-TCDC](#) precision DC powered thermocouple and voltage measurement instrument.

The [EX1000A-TCDC](#) is the newest member of the [EX10xxA](#) series of LXI based precision data acquisition instruments. Belonging to a product family with one of the largest install bases worldwide, this general purpose and static data acquisition instrument utilizes capabilities like end-to-end self-calibration, fully integrated independent signal conditioning paths, advanced cold junction compensation implementation, and programmable filtering to achieve an industry leading $\pm 0.2^\circ\text{C}$ accuracy for thermocouple measurements and 0.025% accuracy for voltage measurements.

The show is 20 minutes from our headquarters next to John Wayne Airport. If you've never visited or wish to setup a consultation, schedule an [appointment](#) with one of our engineers today.

Autotestcon Technical Presentations by VTI

THE FUTURE OF ATE WITH MODULAR INSTRUMENTATION

Tuesday, Sept 11 (2:00pm - 3:30pm)
Panelist: Tom Sarfi (VTI)

REDUCE DEVELOPMENT AND MAINTENANCE COSTS AND FUTURE-PROOF SYSTEMS USING IVI AND LXI STANDARDS

Wednesday, Sept 12 (1:30pm - 5:00pm)
Panelist: Tom Sarfi (VTI)

IMPLEMENTING A COMMERCIAL DESIGN APPROACH TO REDUCE DEVELOPMENT TIME OF COMPLEX MICROWAVE TEST ADAPTERS

Wednesday, Sept 12 (3:45pm - 5:15pm)
by Tom Sarfi (VTI) and Esteban Najle (BAE)

USING PXIE IN HIGHLY DISTRIBUTED APPLICATIONS

Thursday, Sept 13 (8:00am-9:30am)
by Anirudh Narayanan (VTI)

Come visit us at Autotestcon for more on booth location and dates: [VTI Events](#)



Precision Modular Instrumentation
www.vtiinstruments.com

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The [EX1000A-TCDC](#) includes all the capabilities and accuracy of the [EX10xxA](#) family while supporting a 10-34V DC input and an extended temperature range of -10°C to 65°C. This product has quickly garnered attention from jet engine manufacturers worldwide as an excellent solution for use in engine test cells. The extended temperature range and DC input allow the instrument to be used at closer proximity to the engine and to be prewired to the engine before testing, reducing test cell utilization time and cost.

Learn more about the [EX1000A-TCDC](#) and extensive [data acquisition](#) capabilities and call a VTI applications engineer today, (949)955-1894.