SURVEYOR – ESS

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MEASUREMENTS

Surveyor – ESS is a resistance-monitoring, event-detection suite of tools specifically designed for standards-based design verification test applications, including:

- Solder joint reliability test of semiconductors according to IPC-9701.
- Cable assembly design verification testing to ANSI/AAMI EC53 and IEC 60601-2-4.

Surveyor – ESS is a superior approach to traditional scanning DMM or Comparator-box designs.

- **Surveyor – ESS samples faster** with higher resolution than traditional scanning DMM approaches.
- **Surveyor – ESS Costs less** "per channel" than similarly equipped scanning DMMs.
- **Surveyor – ESS is "Turn Key."** Application software with glitch detection, chamber monitoring and temperature calibration, COTS cabling, and elegant approaches to simplify DUT connection within a thermal chamber are ready for delivery. No need for custom design.
- **Comparator boxes don't measure.** Surveyor – ESS provides 16 bit resistance measurement across three-user and channel-selectable gain ranges.
- **Surveyor – ESS is open-architecture** based on PXIe that allows the user to combine monitoring capability with other functional needs in the same platform.

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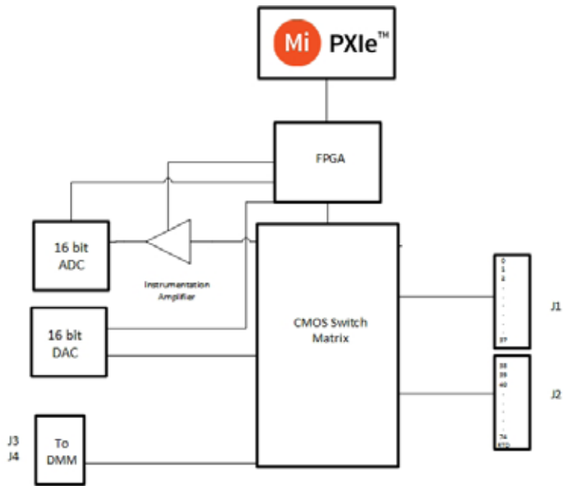
RED-75066 Resistance Event Detector

The RED-75066 Is a multi-channel, event detector in a 2-slot PXIe form factor ideally suited for resistance monitoring in high channel count applications.

FEATURES:

- 75 4-wire channels
- 66 S/channel-sec. sampling
- 16 bit measurement
- 3 channel-selectable measurement ranges (10 Ω, 100 Ω, 1000 Ω)
- Separate RTD measurement channel
- Automatic master-slave architecture for multi-card applications
- 4 GB onboard memory
- RoHS Compliant



HM-SIGINT

HM-SIGINT is a turn-key software package for environmental stress screening event monitoring applications. Written to monitor temperature via RTD and correlate acquisition data to the temperature monitor, HM-SIGINT allows for temp-cycle data to be captured without having to directly control or communicate with a particular thermal chamber.

Define and save multiple experiments for recall

Identify measurement ranges and fault definitions on a per-channel basis

Monitor temperature and run experiments without need to control thermal chamber

Define up to three temperature set points and acquisition triggers per experiment

Log pre and post-fault data to .csv with user definable decimation

Graph up to 10 channels of data simultaneously

Built in system self-test

Calibrate RED-75066 instruments with external DMM

Connectivity

The Hiller Chamber Receiver

Elegant, flexible connectivity from test station to device under test

- COTS SCSI cables from test station to the Hiller Chamber Receiver
- Re-configurable terminal block connectivity from the Hiller Chamber Receiver to DUT
- Hiller Chamber Receiver mounts to standard 4 inch port of chamber
- Lowers recurring cost of cabling

ISO 9001 Quality

Decades of Delivered Systems

HM TEST PILOT PLATFORMS

Complete Documentation

Differentiated Value

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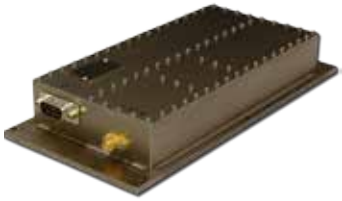
Hiller Measurements operates from the Hill Country of Austin, TX where business costs are exceptionally low and engineering talent is exceptionally high. Centrally located in the US and close to the best BBQ, live music, and lifestyle around, Hiller Measurements focuses on offering exceptionally competitive financial value while providing flexible services specific to unique customer needs. For Example...

Mi PXIe™

Customer-Defined, Application-Specific PXIe Instruments

Hiller's unique MiPXIe Development System allows for relatively short lead time, low NRE development of differentiating PXIe instruments to exacting customer requirements.



Mi rf ™

RF Component and Assembly Design and Manufacture

Custom amplifier, up/down converter, switch, synthesizer, and complex assembly design services

Mi ate™

Custom Automated Test System Design and Manufacture

Decades of mission critical design experience. Complete documentation. Lean cost structure to deliver unmatched value.

HM
TEST PILOT PLATFORMS

Standard Test Platforms

Addressing common applications with inspired design approaches and marked value improvement.