

IntelliDAQ – Wide Range Current Measurement

A New Look at Current Measurement

Harborside IntelliDAQ gives best in class current measurement performance for fast changing loads. Visualize the current along with voltage and digital inputs with our Waveform Capture application. Continuously monitor current consumption while recording and analyzing every event above quiescent.

Key Features

- Continuous measurement across entire range without range switching gaps.
- Voltage/digital inputs sampled with current.
- Isolated Current channel
- Continuous measurement capabilities
- Current event detection and analysis

Modes of Operation

Waveform Capture

- Oscilloscope-like view of current, voltage, and digital
- Complex triggers available on all sources
- Current totalization and analysis tools included
- Perfect for benchtop use for hardware and firmware

Continuous Measurement

- Totalizes current consumption, and analyzes for consumption events above quiescent
- Autonomous operation – No PC while in use
- Summarizes current consumption by category
- Logs all current events for further analysis

Upgrades

IntelliDAQ is firmware upgradable for new feature availability.



Electrical Characteristics

Full Scale Current Range	100nA – 2A
Voltage Input Range	0 - 5V, 0 - 10V
Digital Inputs	4 channels, 5.5V max
Sampling Frequency	1Mhz, all channels

Interfaces

Windows Application	Waveform Capture Continuous Measurement
Scripting	COM DLL (Python, .NET, JavaScript)
Web Server	View Status Control Tests

Connectivity

RS232	Continuous Measurement
USB	Waveform Capture and Continuous Measurement
Ethernet	Continuous Measurement

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sales@harborsidetechnology.com
www.harborsidetechnology.com