



Low-cost **DAQ**

12 NEW PRODUCTS FROM MEASUREMENT COMPUTING

INTRODUCING **WIRELESS**

8-channel, high-precision temperature measurement devices operate as

WIRELESS and USB

PLUS

USB DAQ

PCI BOARDS

REMOTE DATA LOGGERS

ISA BOARDS

PCMCIA CARDS

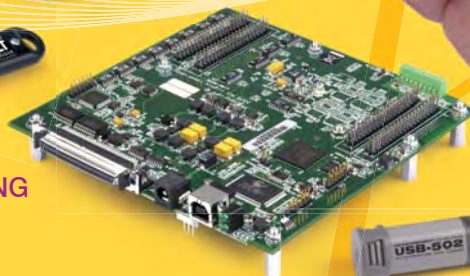
PC/104 BOARDS

SERIAL I/O MODULES

GPIB/IEEE-488

EXTERNAL SIGNAL CONDITIONING

DAQ SOFTWARE



The largest selection of low-cost DAQ hardware and software for every skill set

 **MEASUREMENT COMPUTING**

www.mccdaq.com

INTRODUCING WIRELESS DAQ

Untethered temperature measurement and control application across the lab, factory, or field!

With this new wireless technology (based on 802.15.4 protocol), you can acquire and process temperature data for monitoring and control at distances up to 150 feet (2,400 feet line-of-sight outside), without the need to run wiring cables and conduit from the sensors to a PC. A small USB interface module (WLS-IFC), attached to your PC, can communicate with as many WLS-TC and WLS-TEMP units as you like throughout any industrial, commercial, or residential space. All our wireless components ship with TracerDAQ™ and all the software drivers you need to get up and running in minutes!



COMPLETE SYSTEMS

INDIVIDUAL SYSTEM COMPONENTS

SAVE \$99 all-inclusive ValuePacks

Complete wireless systems



\$799 (\$898 if purchased separately)

WLS-TEMP ValuePack

All the great features of the WLS-TEMP and WLS-IFC bundled together

\$599 (\$698 if purchased separately)

WLS-TC ValuePack

All the great features of the WLS-TC and WLS-IFC bundled together



\$749

WLS-TEMP

Wireless 8-channel temperature module; requires WLS-IFC wireless gateway (see below)

- ▶ 8 input channels
- ▶ 4 sensor types: thermocouples, thermistors, semiconductor temp. sensors, RTDs (2-, 3- or 4-wire)
- ▶ Built-in ambient temp. sensor
- ▶ Independent temp. inputs
- ▶ 8 digital I/O bits with alarm



\$549

WLS-TC

Wireless temperature module for thermocouples; requires WLS-IFC wireless gateway (see below)

- ▶ 8 thermocouple input channels
- ▶ Supports J, K, R, S, T, N, E, & B type TCs
- ▶ Built-in ambient temp. sensor
- ▶ Independent temp. inputs
- ▶ 8 digital I/O bits with alarm

\$149

WLS-IFC

PC interface for WLS Series modules

- ▶ One WLS-IFC communicates to a virtually limitless number of WLS-TC/TEMP modules
- ▶ Standalone Plug-and-Play
- ▶ No external power required
- ▶ 150 foot operating range
- ▶ LEDs indicate connectivity and signal strength



**MORE
INFO**

www.mccdaq.com/wireless

NEW, LOW-COST PCI AND USB DATA ACQUISITION HARDWARE. SOFTWARE FOR EVERY SKILL SET.

Remote data loggers with built-in sensors—from \$49



ALL SOFTWARE INCLUDED to install, configure and download data. Software includes powerful stripchart and export to Excel®.

MORE INFO Including CF Card options! www.mccdaq.com/loggers

Product	Data Type	Sampling/logging rate	Measurement Range	Storage	Price
USB-501-LT	Temperature	15-minute sampling rate	-10 to +50 °C (+14 to 122 °F)	4K	\$49
USB-501	Temperature	Intervals: 10 sec–12 hrs.	-35 to +80 °C (-31 to 176 °F)	16K	\$59
USB-502	Temperature/humidity	Intervals: 10 sec–12 hrs.	-35 to +80 °C (-31 to 176 °F)	16K	\$79
USB-503	Voltage	Intervals: 10 sec–12 hrs.	0 to 30 VDC	32K	\$69
USB-504	Current	Intervals: 10 sec–12 hrs.	4 to 20 MA	32K	\$69

Counter/timers

USB-4301 \$249

5-channel counter/timer module

Features

- ▶ Five 16-bit counters
- ▶ Up to 20 MHz inputs
- ▶ Counting applications
- ▶ Frequency measurement
- ▶ Rate generator
- ▶ 8 digital inputs and 8 digital outputs



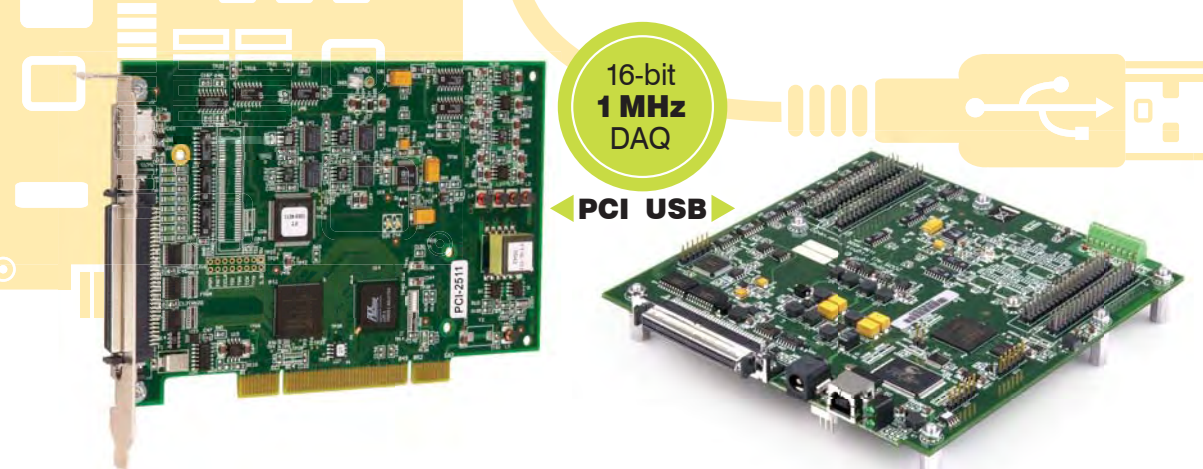
USB-4303 \$349

All the features of the USB-4301, with 10 channels

Similar PCI counter/timer modules available too!

MORE INFO www.mccdaq.com/ctr

High-speed multifunction boards



16-bit
1 MHz
DAQ

PCI USB

PCI-2500 and USB-2500 series 16-bit multifunction data acquisition boards

Both the PCI-2500 and USB-2500 series boards provide true multi-function performance with analog inputs, waveform capable analog outputs, 24 high-speed digital I/O, four counter inputs with quadrature encounter capability, and two timer outputs. The USB-2500 series also supports four channels of thermocouple measurement.

In addition to this rich feature set, the 2500 series can be configured to sample a combination of analog, digital, and counter inputs *concurrently* up to 1 MHz with complex analog and digital triggering

Product	Analog Inputs	Input Ranges	Digital I/O	Analog Outputs	Counters (32-bit)	Timers (16-bit)	Price
PCI-2511	16SE	1	24	-	4	2	\$549
PCI-2513	16SE/8DI	7	24	-	4	2	\$649
PCI-2515	16SE/8DI	7	24	2	4	3	\$749
PCI-2517	16SE/8DI	7	24	2	4	2	\$849
USB-2523	16SE/8DI	7	24	-	4	2	\$799
USB-2527	16SE/8DI	7	24	4	4	2	\$999
USB-2533	64SE/32DI	7	24	-	4	2	\$999
USB-2537	64SE/32DI	7	24	4	4	2	\$1199

capabilities. Independently, these digital inputs can be scanned at a rate of 12 MHz. The series can also be configured to output a

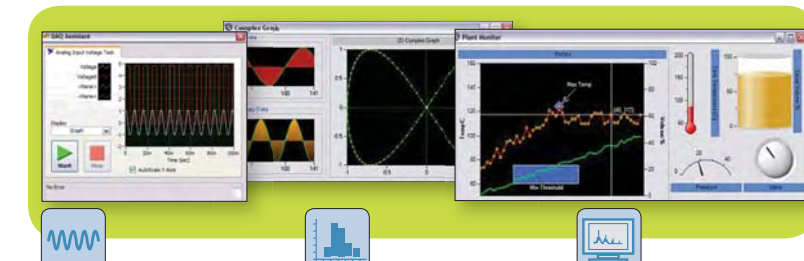
combination of analog and digital signals up to 1 MHz, as well as digital waveform generation at 12 MHz.

MORE INFO www.mccdaq.com/2500

Software

Measurement Studio® Measurement Computing Edition for Visual Studio® .NET 2003/2005

Measurement Studio—Measurement Computing Edition is an integrated suite of classes and controls optimized for test, measurement, and automation applications in Visual Studio 2005 and Visual Studio .NET 2003.



ACQUIRE:

MCC DAQ and GPIB libraries are integrated into the Visual Studio environment, enabling scientists and engineers to rapidly perform the fundamentals of any measurement application.

- Analog I/O
- Digital I/O
- Temperature
- Counter/Timer
- GPIB

ANALYZE:

Measurement Studio provides powerful algorithms and analysis functions designed to add intelligent decision-making capabilities to your real time application.

- Digital signal processing
- Windowing
- Filtering
- Array and numeric calculations
- Signal generation
- Statistics
- Curve fitting
- Spectral analysis
- FFT

PRESENT:

Extensible Visual Studio User Interface (UI) components deliver unparalleled flexibility through customizable displays. Measurement and analysis are presented in real time through a wide selection of display objects.

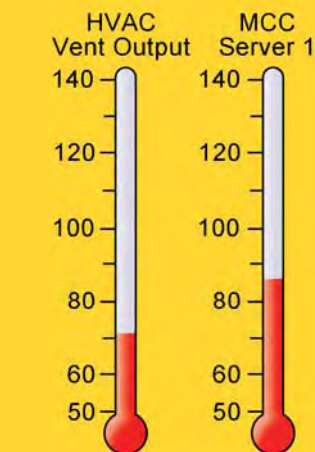
- Graphs
- Dials
- Gauges
- Buttons
- Tanks
- Thermometers
- Slides
- Knobs

MORE INFO www.mccdaq.com/mstudio

SEE IT LIVE!

www.mccdaq.com/FactoryTemperature

WEB-BASED APPLICATION LAUNCHES IN BROWSER!



With the power of Measurement Studio Web-enabled applications and Measurement Computing USB hardware, our IT staff monitors critical server room temperatures at our factory. See the Web-based application in action at www.mccdaq.com/FactoryTemperature.

Measurement Studio—Measurement Computing Edition integrates your Measurement Computing DAQ hardware with powerful analysis and presentation tools; classes and controls are optimized for test, measurement, and automation applications in Visual Studio 2005 and Visual Studio .NET 2003.

LIVE DEMO www.mccdaq.com/factorytemperature



APPLICATIONS AND ENVIRONMENTS: WAREHOUSES ■ BOATS ■ FOOD STORAGE ■ RVs ■ ATTICS ■ BASEMENTS ■ KITCHENS ■ WARDROBES ■ WINE CELLARS ■ REFRIGERATORS ■ CARS ■ BUSES ■ TRAILERS ■ SILOS ■ BARNs ■ KENNELS ■ TEST FIXTURES ■ FACTORY FLOORS ■ GREENHOUSES ■ HEATERS ■ VENTILATORS ■ PLUMBING ■ AIR-CONDITIONERS

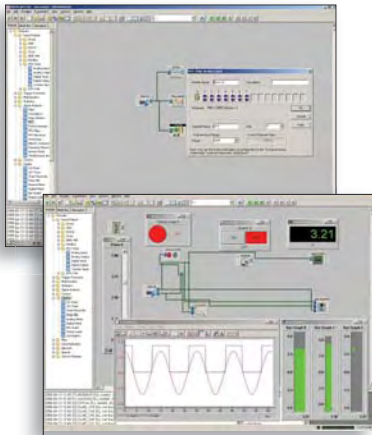
BREWERIES ■ DISTILLERIES ■ REFINERIES ■ OVENS ■ ASSEMBLY LINES ■ HOSPITALS ■ OPERATING ROOMS ■ OFFICES ■ VACATION HOMES ■ COTTAGES ■ CAMPS ■ CABINS ■ CLASSROOMS ■ SUBWAYS ■ FERRIES ■ MINES ■ HOTELS ■ RESTAURANTS ■ DINING ROOMS ■ VIBRATION ■ NURSING HOMES ■ DYNAMOMETERS ■ MARINAS ■ CHEMISTRY LABS

GARAGES ■ THEATERS ■ SWIMMING POOLS ■ HOT TUBS ■ AQUARIUMS ■ RAILROAD CARS ■ LOCKERS ■ EDUCATION ■ BUILDING INSPECTION ■ CONTAINERS ■ KILNS ■ RACE CARS ■ SURVEILLANCE ■ SECURITY ■ ROBOTICS ■ FORENSICS ■ WASTE MANAGEMENT ■ ENVIRONMENT ■ ACOUSTICS ■ SAFETY ■ TRAFFIC CONTROL ■ MATERIAL HANDLING ■ PIPING

DASYLab[®] 9.0 **NEW!**

Intuitive graphical DAQ development environment

DASYLab[®]
Data Acquisition System Laboratory



DASYLab—the Data Acquisition System Laboratory

DASYLab is a GUI application that allows you to quickly develop custom DAQ applications without any programming. If you don't have the time or programming skills required to write a DAQ program, you need DASYLab! Using the intuitive worksheet, modules and wire functions, you're only a few mouse clicks away from a complete application.

Over 90 data acquisition, control, processing, and display functions

DASYLab offers extensive DAQ functions in the following categories/modules (module availability differs by version):

Inputs/outputs • Signal analysis • Trigger • Control • Display • Files • Data reduction • Mathematics • Statistics • Network

MORE INFO www.mccdaq.com/dasylab

NEW FEATURES

- Tabbed browser window
 - Tree view of available modules by function
 - Module search simplifies module selection
 - Drag and drop modules from the tree view to worksheet
 - Navigator tab lists all modules in current worksheet
- Status console/worksheet information window
 - Displays active function libraries
 - Monitors FIFO status with FIFO list and FIFO graph
 - Verifies signal status and discrete data
- Enhanced FIFO memory management
 - Provides options to avoid buffer overflow errors
 - Status always available on console
- Warning messages displayed on the console can be recorded to a log file
 - HTML-based help, user tutorial and enhanced quick start tools
- Supports 24-bit color

CHOOSE THE DASYLAB VERSION THAT'S RIGHT FOR YOU—ALL VERSIONS COME WITH MCC HARDWARE DRIVERS.

DASYLab Lite **\$499**
8-channel, limited module count, one layout

DASYLab Basic **\$1199**
Comes with all standard modules (except Signal Analysis and Actions), one layout

DASYLab Full **\$1599**
Comes with all standard modules, 200 layouts and Sequencer

DASYLab Pro **\$2299**
Full version plus Analysis Toolkit option bundle



Call us today at (508) 946-5100

Based in Norton, Massachusetts, Measurement Computing offers the largest selection of low-cost, PC-based data acquisition hardware and software to customers around the world.

The largest selection of low-cost DAQ hardware and software for every skill set

MEASUREMENT COMPUTING

www.mccdaq.com

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