



# Monitoring and Control Solutions

## Facility Health Monitoring and Operations Solutions for Many Different Engineering Applications:

- Monitor wind tunnels, thermal vacuum chambers, and more
- Distributed networks for instrumentation throughout facilities
- Multiple sensor measurement types
- Strain and load measurements durability
- Temperature and vibration monitoring for pumps and fans
- Monitor test routines and data remotely as they execute

## Monitor and Control Test Cells and Critical Equipment Used to Validate and Operate Aircraft, Launcher Vehicles, Satellites, and Other Platforms

Platforms across the aerospace and defense industry rely on complex support equipment for validation and operation. Wind tunnels, structural and engine test rigs, and cryogenic fluid management systems on launchpads are all examples of complex control systems that could represent millions of lost dollars if they become non-operational. NI provides measurement and control solutions that enable you and your team to operate this critical equipment and monitor its health to avoid down time.



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# Out-of-the-Box Monitoring and Control Instruments

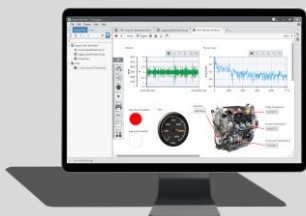
CompactDAQ is an easy-to-use modular instrument platform that makes getting started, expanding measurement capability, and reusing equipment & test software fast and efficient.

## Bundle Options

Sensor Type	Bundle Name	Link? Or Part Number
Thermocouple	USB Temperature Measurement Bundle:4-Slot Thermocouple System	865662-01
Thermocouple	USB Temperature Measurement Bundle:16-Slot Thermocouple System	865682-01
Thermocouple	USB Temperature Measurement Bundle: 32-channel with Expansion	868014-01
Bridge-based sensor	USB Strain and Load Measurement Bundle: 4-channel	868018-01
Bridge-based sensor	USB Strain and Load Measurement Bundle: 8-channel with Expansion	868019-01
Piezoelectric sensor	USB Sound and Vibration Bundle: 4-Channel Dynamic S&V System	865664-01
Piezoelectric sensor	USB Sound and Vibration Bundle: 8-Channel High Density S&V System	865665-01
Piezoelectric sensor	USB Sound and Vibration Bundle: 8-Channel with Expansion	868017-01
Voltage-based	USB Voltage Measurement Bundle: High-channel Voltage System	865683-01
Voltage-based	USB Voltage Measurement Bundle: Entry-level Voltage System	865684-01
Voltage-based	USB Voltage Measurement Bundle: High-output Voltage System	865685-01
Voltage-based	USB Voltage Measurement Bundle: Multifunction Measure with Expansion	868015-01
Universal	USB Voltage Measurement Bundle: Universal Sensor Input with Expansion	868016-01

## Unlock the Full Potential with NI Software

Start logging, archiving, and analyzing data out of the box with FlexLogger. FlexLogger is a no-code data acquisition software engineers use to build validation and verification test applications. Configure mixed-signal measurements and Monitor test during execution with integrated visualization tools.



### FlexLogger

Make sure to add FlexLogger to your cart along with the CompactDAQ bundle before checkout.

