



# Data Logging and Control Solutions

## Signal Measurement and Generation Solutions for Many Different Engineering Applications:

- Support for multiple sensor types for many types of measurement
- Temperature logging for durability or environmental test
- Strain and load measurements for static or dynamic structural test
- Sound and vibration measurements in wind tunnels
- Automate test routines and connect to test systems & data remotely

## Collect Data to Validate the Aircraft, Launch Vehicles, Satellites, and Other Platforms You and Your Team are Building

Platforms across the aerospace and defense industry are collections of many complex electromechanical systems. Each of those systems is subjected to a battery of tests for which your team must create, deploy, and manage solutions. NI provides measurement and control solutions for many of the tests you perform on the electromechanical systems you work with from stress testing of hydraulic actuation systems, pressure testing of fluid fuel systems, propulsion test of engines or gearboxes, and so much more.



# Out-of-the-Box Data Logging and Control Instruments

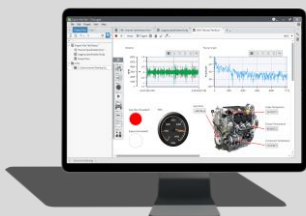
CompactDAQ is an easy-to-use modular instrument platform that makes getting started, expanding measurement capability, and reusing equipment & test software fast and efficient.

## Bundle Options

Sensor Type	Bundle Name	Part Number
Thermocouple	USB Temperature Measurement Bundle:4-channel Thermocouple	865662-01
Thermocouple	USB Temperature Measurement Bundle:16-channel Thermocouple	865682-01
Thermocouple	USB Temperature Measurement Bundle: 32-channel with Expansion	868014-01
Bridge-based	USB Strain and Load Measurement Bundle: 4-channel	868018-01
Bridge-based	USB Strain and Load Measurement Bundle: 8-channel with Expansion	868019-01
Piezoelectric	USB Sound and Vibration Bundle: 4-Channel Sound & Vibration (BNC)	865664-01
Piezoelectric	USB Sound and Vibration Bundle: 8-Channel Sound & Vibration (Coaxial)	865665-01
Piezoelectric	USB Sound and Vibration Bundle: 8-Channel with Expansion (BNC)	868017-01
Voltage-based	USB Voltage Measurement Bundle: 32-channel Voltage Input	865683-01
Voltage-based	USB Voltage Measurement Bundle: 4-channel Voltage Input	865684-01
Voltage-based	USB Voltage Measurement Bundle: 16-channel Voltage Input	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.

