

Roush Industries provides engineering tools related to test, measurement and control. Through the use of software and modular electronic hardware components, we are able to provide fully functioning tools that have been customized for a specific engineering task. Roush provides many standard commercial software and hardware systems for noise and vibration applications such as brake NVH testing, vehicle dynamics data acquisition, vehicle dynamics data analysis, and sound intensity data acquisition and analysis.

LapDAQ™ — USB 5B Signal Conditioning Enclosures and DAQ Systems

Roush Industries is pleased to introduce LapDAQ-USB integrated Data Acquisition and signal conditioning systems. This new Engineering Test Tool offers a quick and easy way to get up and testing without the hassle of external Data Acquisition cards, or complicated cabling solutions. The LapDAQ-USB model combines a 16 bit USB card with our traditional LapDAQ 5B module signal conditioning system and free software suite to provide a simplified test tool solution. R-LO, our freeware software package, can be downloaded from Roush Industries website at www.roushind.com/html/ett_PDAS_lapdaq. R-LO is compatible with the new LapDAQ-USB systems and any LapDAQ system (manufactured by Roush) using a National Instruments E-Series DAQ card. The Roush Industries LapDAQ-USB system has the same basic footprint as our original LapDAQ units only slightly taller with a total height less than three inches. Roush looks forward to providing new Engineering Test Tools to simplify your data acquisition solution. *Please call or e-mail for your free LapDAQ-USB demonstration.

*Based on terms and conditions provided by Roush Industries.

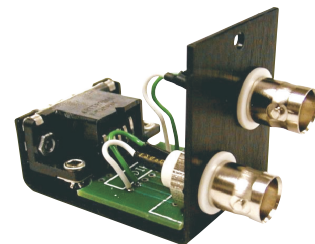
- Roush LapDAQ™ is a compact, rugged enclosure designed specifically to house 5B signal-conditioning modules. The enclosure handles up to sixteen (16) modules providing protection from industrial or other harsh environments in a highly-compact configuration. The Roush LapDAQ system's power supply handles all the power requirements for up to 16 of even the most power-hungry 5B modules.
- The Roush LapDAQ™ system's modular architecture makes this unit an ideal solution for a variety of applications. The system is a ruggedized, laptop-sized unit that runs off of a battery, 12-volt DC or 110-volt AC power source. It is configurable up to 16 channels of variable inputs such as voltage, current, RTDs, thermocouples, strain gauges (including excitation voltages), load cells and pressure transducers; virtually any type of signals for which 5B modules can be utilized.
- The flexibility of the Roush LapDAQ™ system is further enhanced by connector "panellettes". These specially designed plug-in modules provide connectivity for BNC, Lemo, thermocouple mini, and banana-plug connectors; enabling the user to mix and match cable connectors and providing greater reliability, accuracy and durability over wire screw terminals. These user-configurable connector panels allow the use of standard cables and connectors for any sensor.



The size of a laptop computer, the Roush LapDAQ™-USB enclosure is an ideal, portable, ruggedized enclosure for your 5B signal-conditioning modules.



Inside this compact package is room for up to 16 5B signal-conditioning modules. A highly adaptable power supply is also built into the Roush LapDAQ™ enclosure.



BNC Panellette. The Roush LapDAQ™ panellettes are easily interchangeable and handle special signal requirements such as CJC for thermocouples, and excitation voltages for a variety of transducers.

