

Screw Terminal Adapter

DESCRIPTION

The RJ45-STA allows for an easy, reliable and reusable connection to all Micro-Measurements data systems that utilize the RJ45 connector. The RJ45-to-screw-terminal-block adapter has a 6-inch pigtail to allow manipulation and access to the screw terminal block, even when the RJ45 is connected to a data system. The screw terminal block accepts up to 22 AWG wire. Requires a 2-mm slotted screwdriver.



COMPATIBLE WITH:

- System 9000 StrainSmart® Data Acquisition System (strain gage inputs and voltage card only)
- System 8000 StrainSmart® Data Acquisition System (strain gage and voltage only)
- System 7000 StrainSmart® Data Acquisition System (7003-8-SG, 7003-8-HL, 7003-8-LVDT)
- D4 Data Acquisition Conditioner
- StudentDAQ Student Strain Gage Data Acquisition Device

INSTRUMENTATION COMPARISON

System 9000	System 8000	System 7000	D4	StudentDAQ
<ul style="list-style-type: none"> • Twelve strain gage (strain gauge) input channels • Four configurable plug-in card slots for: <ul style="list-style-type: none"> o High-level voltage signals o Thermocouples o Piezoelectric transducers (charge mode and voltage mode) • Scanning rates of 50,000, 25,000, 10,000 and 5,000 samples/second (all ADCs are sampled simultaneously) • RJ45 input connectors for each strain gage (strain gauge) and high level channel 	<ul style="list-style-type: none"> • Eight software-selectable input channels • Up to 16 scanners can be used concurrently • Supported inputs include: <ul style="list-style-type: none"> o Strain gage (strain gauge) quarter-, half-, and full-bridges o Strain-gage-based transducer o High-level voltage signal o Thermocouples • RJ45 input connectors for each input channel • Scanning rates are 1000, 500, 200, 100, and 10 samples/second 	<ul style="list-style-type: none"> • Individual input cards for strain gage (strain gauge) and strain-gage-based transducers, thermocouples, and sensors with high-level voltage outputs • Virtually unlimited number of channels in increments of 8 channels (contact Applications Engineering for details) • Maximum scan rate of 2048 samples/second 	<ul style="list-style-type: none"> • Four input channels • Hardware and software support for quarter-, half-, and full-bridge circuits • Built-in precision bridge completion • 8-Hz sampling rate • Full control of all functions via USB Interface • Portable, lightweight, and rugged design • Powered via the USB interface 	<ul style="list-style-type: none"> • Single-channel strain gage (strain gauge) data acquisition • Hardware and software support for full-bridge, half-bridge, and quarter-bridge circuits (120 Ω, 350 Ω, 1 kΩ) • Built-in bridge completion • 3-wire strain gage (strain gauge) connection • 80-Hz data rate • Powered via the USB interface

REFERENCES

- System 9000 datasheet: <http://www.vishaypg.com/doc?11373>
- System 8000 datasheet: <http://www.vishaypg.com/doc?11272>
- System 7000 datasheet: <http://www.vishaypg.com/doc?11271>
- D4 datasheet: <http://www.vishaypg.com/doc?11257>
- StudentDAQ datasheet: <http://www.vishaypg.com/doc?11375>

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