

DNA-STP-AI-208

8-Channel Direct-Connect Strain Gage Terminal Panel

- 8 strain gage channels
- Supports Full-, Half- and Quarter-Bridge configurations
- Supports different wiring schemes
- Supports user-populated bridge-completion resistors

10-Year
Availability
Guarantee

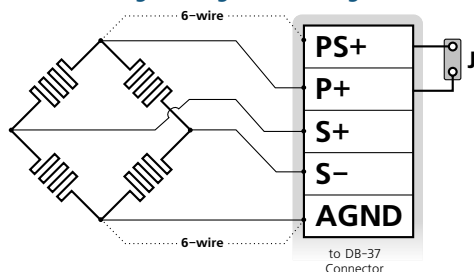


General Description:

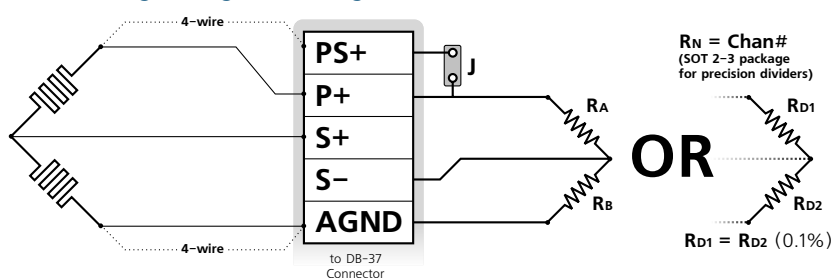
The DNA-STP-AI-208 is a direct-connect 8-channel terminal panel designed for strain gage measurements. DNA-STP-AI-208 supports Full- (4- and 6-wire schemes), Half- (3- and 4-wire schemes) and Quarter-Bridge (2- and 3-wire schemes) configurations. Quarter- and Half-Bridge configurations require user-populated bridge-completion resistors. This panel may be attached directly to the DNA-AI-208 strain gage data acquisition layer or used with 37-way flat ribbon cable (DNA-CBL-37) as a desktop panel.

Single-Channel Wiring Diagrams:

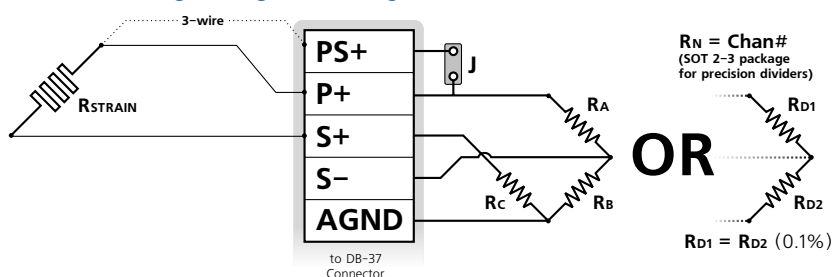
A. Full-Bridge Configuration (single channel)



B. Half-Bridge Configuration (single channel)



C. Quarter-Bridge Configuration (single channel)



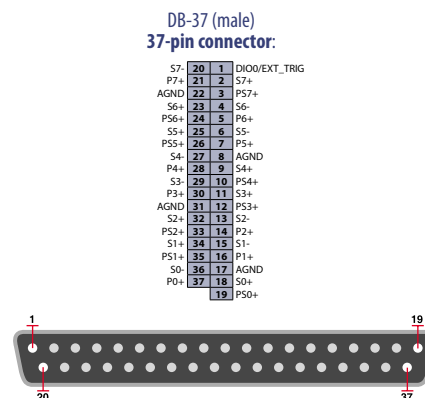
Technical Specifications:

Number of channels	8
Bridge Configurations	Full-Bridge; Half-Bridge; Quarter-Bridge
Wiring Schemes: Full-Bridge Half-Bridge Quarter-Bridge	6- and 4-wire; 4- and 3-wire; 3- and 2-wire
Operating temperature	-20°C to 85°C
Operating humidity	90%, non-condensing
Dimensions	4 x 2.5 x 0.7"

Wiring Settings:

Bridge Configuration	Wiring Scheme	Jumper Settings	Bridge-Completion Resistors
Full-Bridge	6-wire	J=Off	None required
	4-wire	J=On	
Half-Bridge	4-wire	J=Off	RA = RB or RN
	3-wire	J=On	
Quarter-Bridge	3-wire	J=Off	RA = RB or RN; RC = RSTRAIN
	2-wire	J=On	

Pinout Diagram:



Ordering Information:

Part Number	Description
DNA-STP-AI-208	8-channel strain gage terminal panel
DNA-CBL-37	37-way, flat ribbon cable