

4 Channel Quick Connect Interface Boxes

These Connection Panels consist of either Spring Loaded terminals or Screw Terminals for up to 4 channels of signal inputs from sensors and process signals.

Depending on the output connectors (2 X 15 pin or 1 X 26 pin) it will interface to imc's UNI2-8 and DCB2-8 or DCBC2-8 input amplifier modules.

The configuration with 2 X 15 pin output connectors is for use with the UNI2-8 and DCB2-8 amplifier modules. The configuration with 1 X 26 pin output connector is for use with the DCBC2-8 amplifier modules.

The UNI2-8 and DCB2-8 utilize the 15pin DSUB connector and 2 cables per 4 chns of the Amplifier module. The DCBC2-8 utilizes the 26pin DSUB connector and 1 cable per 4 chns of the Amplifier module.

Note 1) these interfaces do not currently support the TEDS option on imc's UNI2-8 or DCB2-8.
2) 700 and 1000 ohm strain gauges are optional.



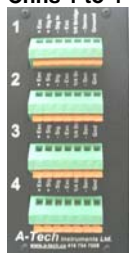
P/N 29522A shown

4 Channel Quick Connection Panel Example – Part Number 29522A

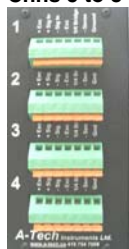
This Connection Panel consists of Spring Loaded terminals for 4 channels of signal inputs for sensors and process signals.

The output connector (1 X 26 pin) is shown below with the interface cables connecting to the imc DCBC2-8 Amplifier Module. The DCBC2-8 Amplifier module has two 26pin High Density DSUB connector and will accommodate 8 input channels for each Amplifier module. The CRC-400-17 chassis can accommodate up to 16 of the DCBC2-8 Amplifier modules, providing 128 input channels for strain gauges (1/4, 1/2 or full bridge, 120 or 350 selectable), potentiometers, accelerometers, force sensors, torque sensors, pressure sensors, Voltages, etc. All are software configurable with this combination of hardware.

Chns 1 to 4

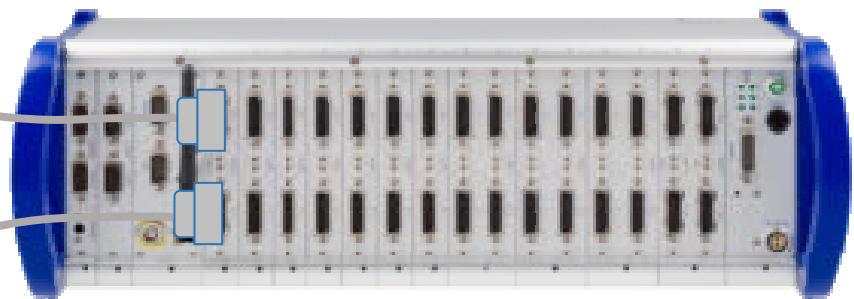


Chns 5 to 8



Example - CRC-400 Chassis, with the DCBC2-8 cable configuration

Interconnecting Cables
(ZKXXX-CV300-NC30)



Termination Box - General Specifications

Dimensions: L 5.5" X W 2.6" X H 1.55" (plus the terminal height)

Operating Temperature: -10 to + 50 deg.C.

Operating Voltages: +/-50 V maximum,

Bandwidth: no attenuation from 0Hz up to 5KHz, with cables 25 ft. or less

Selection Table

Part Number	Terminal Type	# of Terminals	Output Connector	Interconnecting Cable(s) / box	Amplifier Module(s)
29522A	Spring Loaded Quick Connect	7	1X 26 pin	ZKXXX-CV300-NC30	DCBC2-8
30277A	Screw Terminal	7	1X 26 pin	ZBXXX-CV300-NC30	DCBC2-8
30554A	Spring Loaded Quick Connect & Probe Point	8	1X 26 pin	ZMXXX-CV300-NC30	DCBC2-8
31701A	Spring Loaded Quick Connect	7	2X 15 pin	ZKXXX-CD300(2)-NC30	DCB2-8 or UNI2-8
31702A	Screw Terminal	7	2X 15 pin	ZBXXX-CD300(2)-NC30	DCB2-8 or UNI2-8
29976A	Spring Loaded Quick Connect & Probe Point	8	2X 15 pin	ZMXXX-CD300(2)-NC30	DCB2-8 or UNI2-8
26296A	Spring Loaded Quick Connect	7	1X 26 pin and 2x 15 pin	ZKXXX-CV300/CD300(2)-NC30	DCBC2-8 or UNI2-8 / DCB2-8
30415A	Screw Terminal	7	1X 26 pin and 2x 15 pin	ZBXXX-CV300/CD300(2)-NC30	DCBC2-8 or UNI2-8 / DCB2-8
33151A	Spring Loaded Quick Connect & Probe Point	8	1X 26 pin and 2x 15 pin	ZMXXX-CV300/CD300(2)-NC30	DCBC2-8 or UNI2-8 / DCB2-8

Interconnecting Cables - General Specifications

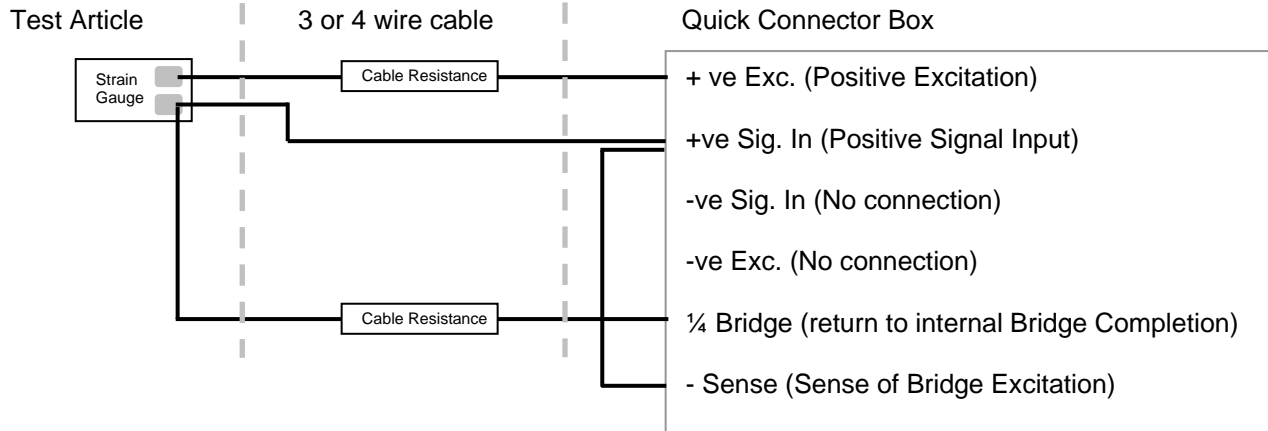
- 26 AWG UL listed with Copper tape + Aluminum Mylar shields
- Rugged UL94V-0 flame-resistant PVC Jacket and over mold for Strain Relief
- 300V Voltage handling capacity at Temperatures up to 80 degrees Celsius

Selection Table

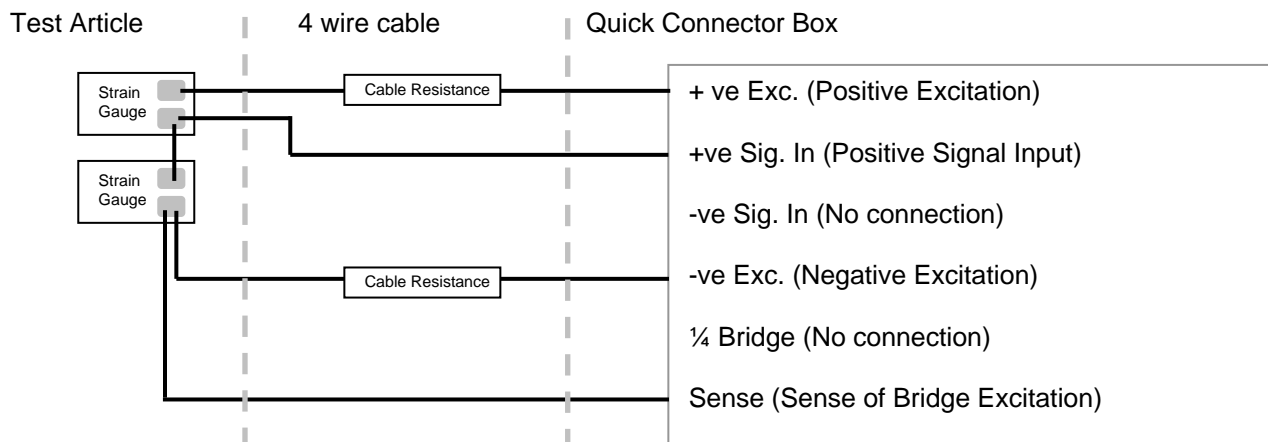
Part Number	Connector Type	Gender	Length (ft)	Model
33628A	DB15	F-M	2.5	CCXXX-CDXXX-002.5-XX
33629A	DB15	F-M	5	CCXXX-CDXXX-005-XX
30362A	DB15	F-M	10	CCXXX-CDXXX-010-XX
36630A	DB15	F-M	15	CCXXX-CDXXX-015-XX
29978A	DB15	F-M	25	CCXXX-CDXXX-025-XX
29977A	DB15	F-M	50	CCXXX-CDXXX-050-XX
33626A	HD26	F-M	2.5	CWXXX-CVXXX-002.5-XX
28484A	HD26	F-M	5	CWXXX-CVXXX-005-XX
33627A	HD26	F-M	10	CWXXX-CVXXX-010-XX
33631A	HD26	F-M	15	CWXXX-CVXXX-015-XX
29925A	HD26	F-M	25	CWXXX-CVXXX-025-XX
29926A	HD26	F-M	50	CWXXX-CVXXX-050-XX

29522 - 4 chn Quick Connection Panel Wiring Examples

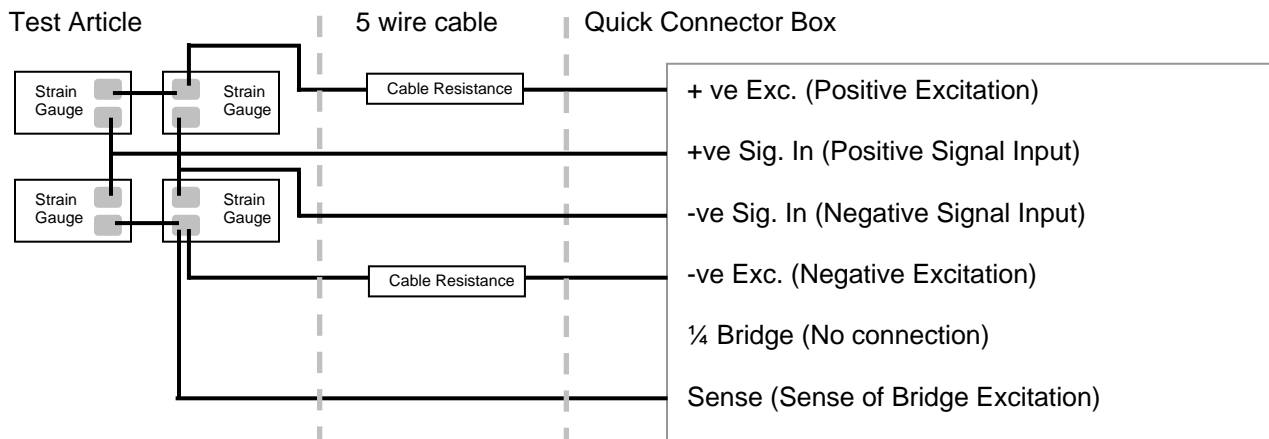
1/4 Bridge Wiring Configuration



1/2 Bridge (90 degree) Wiring Configuration

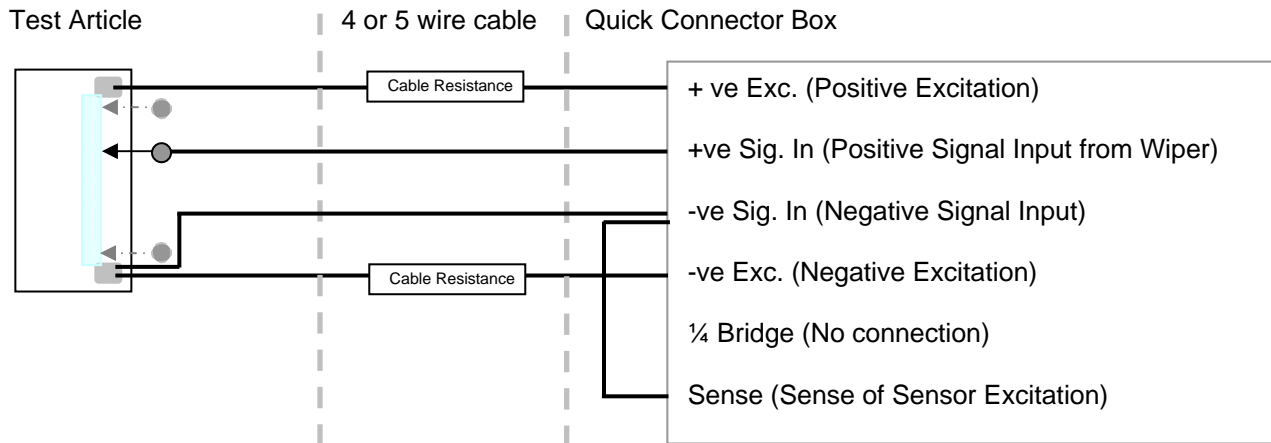


Full Bridge Wiring Configuration, Pressure, Force, Torque, Accelerometer, etc.



29522 4 chn Quick Connection Panel Wiring Examples, continued

Potentiometer Wiring Configuration



DC Accelerometer Wiring Configuration

