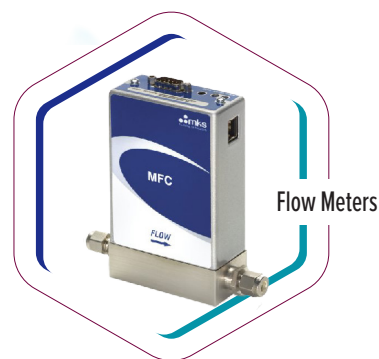


892 Data Expansion System

The 892 works with the
840, 850, 855, 890,
857, and 600 test systems



The 892 provides additional signal inputs making it ideal for real-time pressure and flow monitoring as well as individual cell voltages and temperatures in a stack.



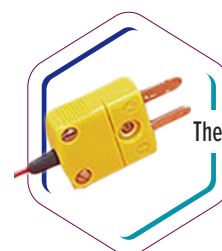
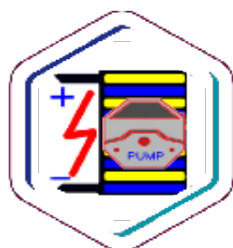
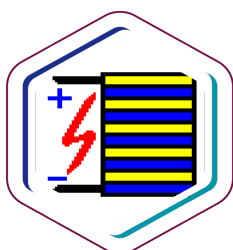
Flow Meters

The 892 features

- 8 thermocouple inputs
- 8 Analog inputs, Voltage or Current
- Pass-through RS485 connector for ease of integration
- 2U 19" rack-mount enclosure
- Directly supported by *FuelCell*®, and *FlowCell*® software



Pressure Transducers



Thermocouple

SPECIFICATIONS: 892 Data Acquisition Expansion System

Channels:

Number of Channels	16 (differential)
Input Types	8 Thermocouple + 8 mV, V, or mA
Input Voltage Ranges	± 150 mV, ± 500 mV, ± 1 V, ± 5 V, ± 10 V
Input Current Ranges	± 20 mA (using 125 Ω , 0.1% resistor)
Input Over-voltage Protection	± 30 V
Voltage, Current Resolution	0.01% of full scale
Voltage Accuracy	$\pm 0.1\%$ of full-scale
Current Accuracy	$\pm 0.1\%$ of full-scale
AC Noise Rejection (50/60Hz)	Common Mode: 120 VAC
Input Impedance (differential)	20 M Ω or greater; Max. Voltage Difference on ± 10 V for ± 5 V and ± 10 V ranges, ± 2.5 V for other ranges

8 Channel Group:

Temperature Accuracy	± 0.5 °C at 0 °C
Temperature Resolution	0.01 °C
Power Requirement	100-240 V, 50/60Hz, 0.3A (Auto Voltage Select)
Operating Temperature	5 - 35 °C
Size and Weight	2U rack-mount, 9 cm H x 48 cm W x 20 cm D (3.5 in. H x 19 in. W x 8 in. D)
Thermocouple Types	J (-210 to 760 °C)
	T (-270 to 400 °C)
	E (-270 to 1,000 °C)
	K (-270 to 1,372 °C)
	R (0 to 1,768 °C)
	S (0 to 1,768 °C)
	B (0 to 1,820 °C)
	C (0 to 2,320 °C)