DEVAR Inc.

mV, THERMOCOUPLE 2 WIRE TRANSMITTER Mini-Pak MODEL 18-215A

- * INPUT / OUTPUT SIGNAL ISOLATION
- *** DIP SWITCH CALIBRATION**
- * RFI PROTECTED
- * 0.1% ACCURACY
- *** INPUT & OUTPUT ISOLATION**





GENERAL DESCRIPTION

Where space and cost are determining factors, the Mini-Pak Transmitter line is the logical choice. This highly accurate (0.1%) fully RFI protected unit accepts input from mV or thermocouple sensors. These signals are then converted to an output current, proportional to the input signal. This current output is fully applications compatible with for recording, controlling, or interfacing with process control data acquisition systems. The Mini-Pak two wire transmitter may be mounted in an area where power is not available. It provides an output current of 4 to 20 mA proportional to the input signal. Its output signal loop is designed to connect with only two copper wire leads that will carry the power to operate the transmitter from a power supply, and also the output current. The output current, proportional to the input signal, is then used for recording, computing, or controlling.

The unit has reverse supply polarity protection and is designed to operate with a wide range of supply voltages (10 to 44 VDC). An important feature allows monitoring of the output during calibration *without disconnecting the output wiring*. By placing a meter between the (+) output terminal and the terminal marked "M" the current output may be observed directly.

Cold Junction Reference Compensation for the desired TC is selected via DIPstyle switches and may be changed easily by the user. Signal offset, span and TC break protection is also switch selectable. The 18-215A is input/output isolated and fully RFI protected. An approximate 5:1 signal linearization improvement is also available.





1.00"

3.00" 2.625'

0.187 DIA

(2) PLACES

PS

- PS

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OUTPUT

CURRENT

(O)

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-IN

-PS

(7) +IN

£3) Μ

(F) +PS

(F)

.500'

DEVAR Inc.

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-E80

-E88

-HV

-M31D

-M37A

-M37I

-ST

-ST4

-M37I-1V

-M37I-4.5 -SC

-1 -M14S 10 to 50 mA Output

Stainless Steel Tag

3-1/2 Digit Indicator

3-1/2 Digit 1V drop

4-1/2 Digit Indicator

Special Calibration

SnapTrack, 12" Long

SnapTrack, 48" Long

DIN Rail Mount Explosion Proof Housing

Voltage Divider to 500 VDC

10-80 VDC Power (4 to 20 mA Linearization (5:1 improvement)