

ROI

ROI LOOP POWERED TRANSMITTERS

The ROI-XMA series is a versatile family of loop powered 4-20mA transmitters with built in sensor excitation. Signal ranges can be from mV to V with excitation of 2.5Vdc(2.5mA max) or 5Vdc(2.5mA max). Versions are available for full bridge sensor or sensors that require bridge completion, between 1K and 10Kohm impedance. Transmitter supply voltage may be from 7.5 to 36Vdc. Output circuit is reverse connection protected and filtered.

- PLUGGABLE EURO ELECTRICAL CONNECTORS
- SNAP ON MOUNTING BASE FOR DIN RAIL OR SURFACE MOUNTING
- WIDE 4-20mA LOOP SUPPLY RANGE FROM 7.5-36V
- USED IN REMOTE MONITORING
- STRAIN GUAGES
- PRESSURE SENSORS
- RTDS
- THERMISTORS
- POTENTIOMETERS
- mV SENSORS



MOUNTING: DIN RAIL OR SURFACE
SUPPLY RANGE: 7.5 TO 36Vdc
SIGNAL OUTPUT: 4-20mA (LOOP POWERED)
INPUT RANGE: mV to V, 1K-10Kohm BRIDGE/SENSORS
EXCITATION: 2.5 or 5Vdc (<2.5mA)
RESPONSE: mS

WWW.ROI-AMPLIFIER.COM
PO Box 227, Albertson, NY 11507

General purpose mV to 4-20mA 2 wire loop powered transmitter with sensor excitation

HOW TO ORDER

Part Number	Range
ROI-50XMA0500	0-500mV input 5.0Vexcitation
ROI-25XMA0500	0-500mV input 2.5V excitation
ROI-50XMA0250	0-250mV input 5.0V excitation
ROI-25XMA0250	0-250mV input 2.5V excitation
ROI-50XMA0100	0-100mV input 5.0Vexcitation
ROI-25XMA0100	0-100mV input 2.5Vexcitation
ROI-50XMA0050	0-50mV input 5.0Vexcitation
ROI-25XMA0050	0-50mV input 2.5Vexcitation

3 wire potentiometer to 4-20mA 2 wire loop powered transmitter with sensor excitation

HOW TO ORDER

Part Number	Range
ROI-25XMA10KP	10Kohm 3 wire potentiometer
ROI-25XMA05KP	5Kohm 3 wire potentiometer
ROI-25XMA02KP	2Kohm 3 wire potentiometer
ROI-25XMA01KP	1Kohm 3 wire potentiometer

¼ Bridge to 4-20mA 2 wire loop powered transmitter with sensor excitation

HOW TO ORDER

Part Number	Range
ROI-25XMA10KB	10Kohm 2 wire sensor
ROI-25XMA05KB	5Kohm 2 wire sensor
ROI-25XMA02KB	2Kohm 2 wire sensor
ROI-25XMA01KB	1Kohm 2 wire sensor

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