

# Signal Manager

## Geotech Signal Manager

The Geotech Signal Manager has been designed to simplify fluid level measurement and control when an application requires that two sensor inputs be scaled and differenced to form one output representing an accurate fluid level. This controller has been designed to operate in harsh environments and includes protection on all inputs and outputs to minimize system down time.

### FEATURES

- Dual 4-20 mA current loop inputs
- Advanced noise filtering and input protection
- Failed sensor detection
- 4-20 mA current output
- Reverse voltage protection
- Over voltage protection
- Simple to use
- Low cost



### SPECIFICATIONS

#### ELECTRICAL:

<b>Supply Voltage</b>	24 Volt DC
<b>Dry Contact Current</b>	100 mA, AC or DC
<b>Dry Contact Voltage</b>	60 Volt AC or Volt DC
<b>Dry Contact Isolation</b>	1000 Volt

#### TOTALIZER:

<b>Scale Factor</b>	1-256
<b>Max Count</b>	42.9 x 10 <sup>9</sup> Counts

#### ENVIRONMENTAL:

<b>Operating Temperature</b>	-40° '60°C
<b>Humidity</b>	5 to 95% relative NC
<b>Size</b>	4 x 3 x 2 inches (10 x 7.6 x 5 cm)
<b>Weight</b>	7 ounces (198.5 g)

#### PERFORMANCE:

<b>Supply Voltage</b>	12-24 Volt DC
<b>Quiescent Supply Current</b>	25 mA
<b>Output Current (A – Bxkscale)</b>	4-20 mA
<b>Controller Bandwidth</b>	30 Hz
<b>Channel A Input</b>	4-20 mA
<b>Channel B Input</b>	4-20 mA
<b>Input Resolution</b>	12 bit
<b>Output Resolution</b>	12 bit
<b>Channel A &amp; B Input Accuracy</b>	0.1%
<b>Overall Accuracy</b>	0.5% full scale

**CALL GEOTECH TODAY (800) 833-7958**

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