

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:

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

TOTALIZER:

Scale Factor	1-256
Max Count	42.9 x 10 ⁹ Counts

ENVIRONMENTAL:

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

PERFORMANCE:

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

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