Danntech Process Instrumentation

Danntech

Programmable Transfer Function Signal Converter

Price: Call for Pricing

All standard inputs and outputs available. Choose your own transfer function. Galvanic isolation between input and output - AC powered versions 1500 VAC, DC powered versions 1000 VAC. Conversion accuracy better than 0.3%. 1024 data conversion points.

Applications:

Square root extraction.

Signal conversion.

Signal linearization.

Changing the slope and limits of a signal.

Specifications:

- Standard input signal ranges from 0-50 mV, ±10 V to 4-20 mA.
- Bipolar input and output configurations.
- Customised input and output ranges on request.
- Input impedance of >100 k& for the voltage input and 50 & for the current input models.
- Maximum input signals of 250 V for voltage input and 100 mA for the current input.
- Output signal ranges of 0-10 V, ±10 V, 4-20 mA and 0-20 mA.
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Output load >2 k& for the voltage output and 500 & maximum for the current output.

- Multi-turn trimpot adjustment for zero and span on the front of the unit.
- Accuracy better than 0.3% of full scale.
- Auxiliary supply 115/230 VAC ±10% 50/60 Hz or 12/24 VDC ±5%.
- Isolation between input and output >1,500 VAC for AC powered versions and >1,000 VAC for DC powered versions.
- Operating temperature -10°C to 60°C.
- 24 hour operational burn-in.
- DIN rail mounting with dimensions 40 x 80 x 85 mm (W x H x D).

Vendor Information