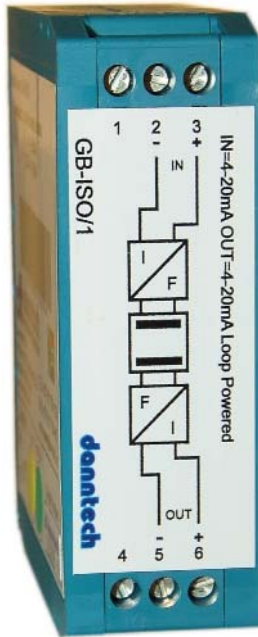


# LOOP POWERED 4-20 mA ISOLATOR



- **Low cost process signal isolation**
- **Eliminate problems due to common measurement loop connections**
- **No external power supply required**
- **>500 VAC isolation**

## APPLICATIONS:

Elimination of the effects of ground loops from distributed process signals.

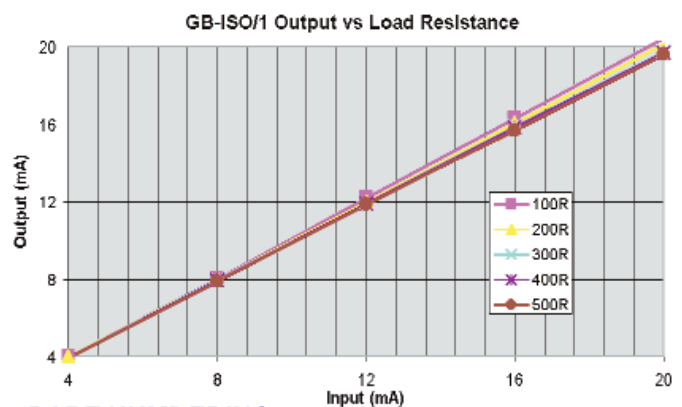
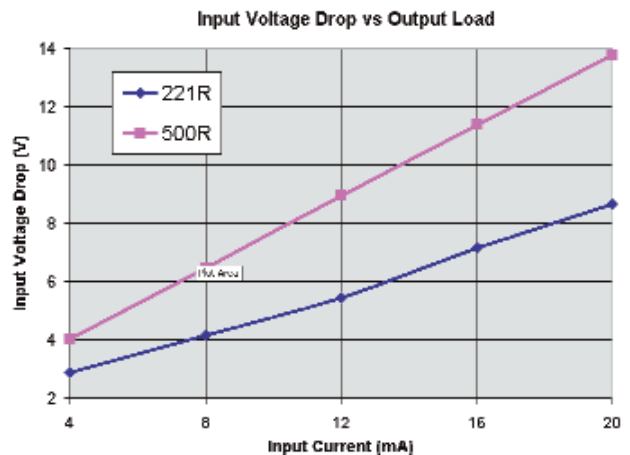
The protection of signals against common mode interferences such as motors, contactors and power line surges.

The outputs can drive loads of up to 500  $\Omega$  which is sufficient to drive a measurement loop of several kilometres.

Individual channel isolation and the elimination of common mode offsets for non-isolated computer and PLC inputs.

## SPECIFICATIONS:

- Loop powered - no auxiliary supply needed.
- Wide input range 0 to 50 mA.
- Low voltage drop - less than 8.5 V at 250  $\Omega$  load at 20 mA.
- Good linearity - better than  $\pm 0.5\%$  at 250  $\Omega$  load.
- Input signals limiting at 33 V with reverse input protection.
- Output signal range 0 to 50 mA.
- Output load 500  $\Omega$  maximum.
- Frequency response approximately 1 Hz.
- Isolation between input, output >500 VAC.
- Operating temperature -10°C to 60°C.
- 24 hour operational burn-in.
- Calibration sheet provided for each unit manufactured.
- DIN rail mounting.
- Screw terminal connections.
- Dimensions 25 x 80 x 85 mm (W x H x D).



## PART NUMBERING:

**GB-ISO/1 Loop Powered 4-20mA Isolator**

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PROCESS INSTRUMENTATION

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