

# INC,LLC

## GAUGEPAK

### CANGP01



**NEMA 4X**



**ABS Plastic**

### Overview:

The INC, LLC. GaugePac is designed to control off the shelf analog gauges using CANopen or DeviceNet. The GaugePac is based on the INC Digital I/O module. It has a total of 16 I/O points. 5 Outputs are transistor buffered to allow direct 12V or 24V gauge control. A calibration object allows the user to correct for gauge non-linearity. There are eleven additional Digital points that the user can configure as Inputs or Outputs. Output points are protected from over temperature, over current, short circuit, and can detect open loads. Each output can be configured for a low side or high side driver depending on how the output is wired. Each output is limited to .8A and is capable of .3A continuous per output.

The GaugePac Module is available in three different enclosures, economical black ABS plastic, Nema 4 aluminum alloy, or Nema 4X polycarbonate. All versions are potted to help protect against vibration, shock, and foreign matter. The Network connector is available in a standard 5 pin sealed micro connector or a low cost 5 pin Combicon connector with screw flanges. The Combicon connector allows the use of lower cost cabling, and also allows the use of a dual row Combicon plug to facilitate the daisy chaining of modules in the network.

### Network Operation:

The DeviceNet version supports UCMM Explicit, Poll, Peer-to-Peer, COS, and Strobe connections.

The CANopen version supports communication through SDOs and PDOs.

Please see the CANGP01 CANopen and CANGP01 DeviceNet Network Specifications for more details.

### Applications:

Analog Gauge Control using DeviceNet or CANopen.

## Ordering Information:

Order #: CANGP01-NT-NC-NI-C1-EN-T

Abbreviation	Meaning	Option
NT	Network Type	CO= CANopen DN= DeviceNet™
NC	Network Connector	MC=5 pin micro CB=5 pin Combicon with screw flanges (available only in econo enclosure)
NI	Network Isolation	NI= Non-Isolated IS= Isolated (Isolation is required for DeviceNet™ compliance if the unit is connected to a device powered by a source other than DeviceNet™)
C1	I/O Connector	DB= DB-44 PT= Pigtail w/strain relief (please specify cable type and length when ordering)
EN	Enclosure Type	AB=ABS AL=Nema 4 Aluminum PC=Nema 4X Polycarbonate
T	Temperature Range	C=Commercial (0-70C) E=Extended (-40 +85C)