

EPS1001 Electronic Pressure Sensor

RELIABLE

PLC COMPATIBLE

COMPACT

-This sensor requires an analog input to the user's PLC -

- Designed & engineered for use with grease
- Includes Micro connector for quick electrical connections
- Has #4 SAE male pressure inlet
- Includes a sample program for use with A-B Micrologix PLC.

Chart shows how flow can be confirmed by recognition of grease pressures at the beginning of each dispense.

For more details, click here:

<http://gpreeves.com/cat/cat-pressureflowconf.pdf>

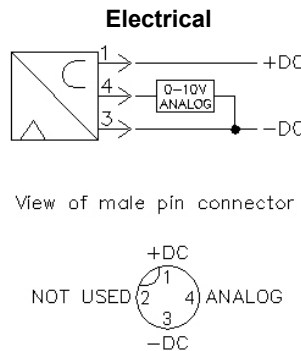
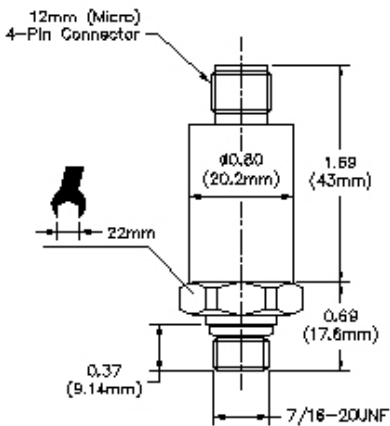
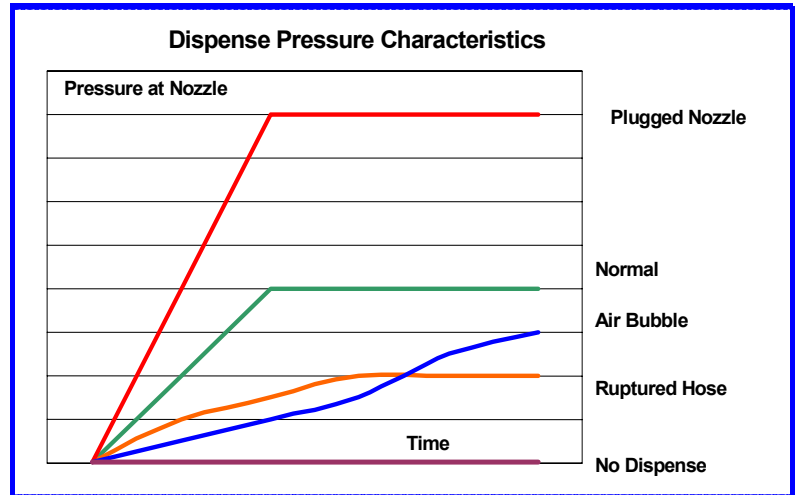
A plugged nozzle will cause immediate high pressure

A normal dispense will cause medium pressure

An air bubble will cause delayed lower pressure

A ruptured hose will cause delayed and much lower pressure

No dispense will cause no pressure



CABLE OPTIONS
 Both are DC Micro style (four-pin type) with 5 meter long PVC cord
#1850 cord has a straight connector
#1851 cord has a 90 degree connector

#4 SAE pressure inlet (to use with 1/8 NPT female port, use #3993 adaptor)

EPS1001 ELECTRONIC PRESSURE SENSOR SPECIFICATIONS

Pressure Range	0 – 870 p.s.i.	Power Supply	15 – 30 DC V
Over Pressure Safety	1,740 p.s.i.	Maximum Load Ra	Ra > 5 kOhm
Burst Pressure	7,977 p.s.i.	Accuracy (% of span)	≤ 0.5 (BFSL)
Wetted Parts Material	Stainless Steel	Material Temperature	-40 – +257° F.
Case Material	Highly resistive, fiberglass-enforced plastic (PBT)	Ambient Temperature	-40 – +212° F.
Signal Output	0 – 10 V, 3-wire	Response Time (10 ... 90%)	< 2 ms
Connector	M12 x 1, 4-pin (Micro style)	Weight	Approx. 70g

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