Project Cancelled
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NOTICE OF APPROVAL
AVIS D'APPROBATION

G-124

Ottawa, Nov. 2, 1978

GOULD STATHAM GAUGE PRESSURE TRANSMITTERS AND DIFFERENTIAL PRESSURE TRANSMITTERS

Apparatus

Gauge Pressure Models PG 2000 Series

Ranges, psig:	0 to 20, 50, 100, 200, 500, 1000, 2000, 5000, 10 000
Supply Voltage:	24V
Output:	4 to 20 ma
Pressure Connections:	$\frac{1}{2}$" NPT or $\frac{1}{4}$" NPT
Materials:	PH Stainless Steel, 316 Stainless Steel Monel, Hastelloy C-276
Ambient Temperature Range:	-29° to +82°C

Differential Pressure Models PD 2000 and PDH 2000 Series

Ranges (PD model), inches of H_2O:	0 to 20, 50, 100, 200, 400
Ranges (PDH model), psid:	0 to 30, 60, 100, 300, 600, 1000
Supply Voltage:	24V
Output:	4 to 20 mA
Maximum Pressure, psig:	2000
Pressure Connections:	$\frac{1}{2}$"NPT
Materials:	PH and 316 Stainless Steel, Monel, Hastelloy C-276
Ambient Temperature Range:	-29° to +82°C

Description

Gould/Statham pressure transmitters convert gauge pressure input or differential pressure input into a linear electrical output. This is achieved by a strain gauge pressure sensor on which a thin film strain gauge bridge has been directly deposited under vacuum, and internal DC electronics which include: a voltage

regulator, voltage amplifier and current modulator. Models in the 2000 series also include zero adjustment and span control. All models are designed so that the output is 4 to 20 mA if proper supply voltage and load requirements are met.

Gauge pressure models have a single diaphragm that activates the pressure sensor. The reference side of the diaphragm is sealed so that the reference pressure is 14.7 psia.

Differential pressure models include a differential pressure cell that activates the sensor.

Approval granted to: Hoke Controls Ltd.,
Oakville, Ontario.

D.L. Smith,
Chief, Electricity & Gas Divisio
Legal Metrology Branch.

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