GT Series Pressure Transmitter

Description:

The GT series 2 wire pressure transmitter is a highly accurate instrument with a backlit LCD display designed for industrial automation and precision measurement. It is widely used in monitoring of pressure, differential pressure and vacuum.

The built-in temperature compensation mechanism enables it to maintain high-precision measurements under different ambient temperatures.





Features:

- ➤ Back-lit display
- ➤ Zero-span adjustment
- ➤ Multiple units display
- ➤ A bar graph for the measured parameter

Few Major Applications:

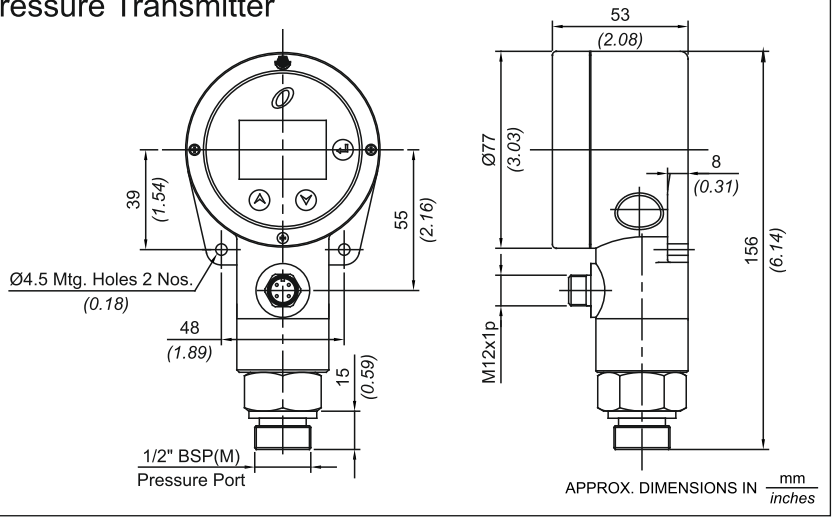
- ➤ Machine tools industry
- ➤ Automation systems
- ➤ Lubrication skids
- ➤ Fire fighting systems
- ➤ Filtration systems
- ➤ HVAC systems
- ➤ Water treatment
- ➤ Pump systems

Specifications:

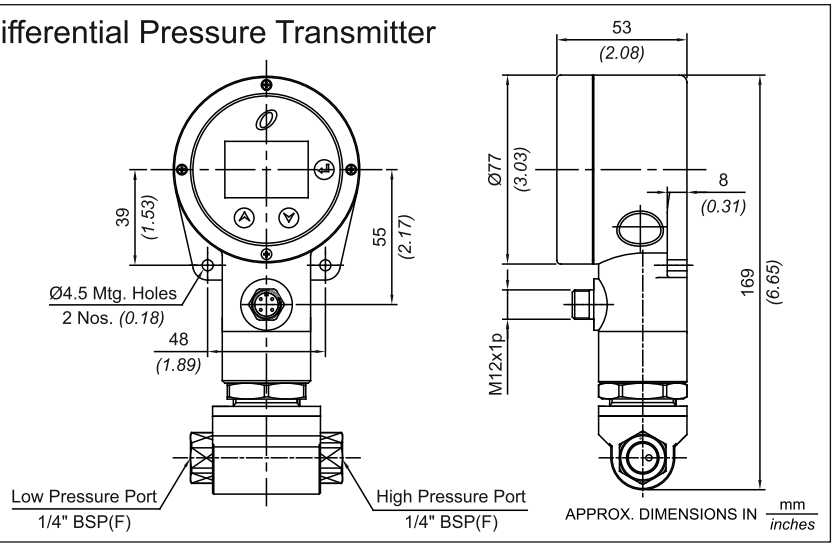
- ➤ Range: (-)1...0 ~ 0.1...600 bar
- ➤ Over pressure limit: 1.5 times FS
- ➤ Pressure type:
  - ➤ Gauge pressure
  - ➤ Absolute pressure
  - ➤ Differential pressure
- ➤ Accuracy: ±0.5% FSR
- ➤ Long term stability: ± 0.3% FS/year
- ➤ Power supply: 12-30 VDC; 24 VDC recommended
- ➤ Constant current excitation: 0.4 mA
- ➤ Constant voltage excitation: 2.5 V
- ➤ Electrical connection: M12 x 1 (4-pin plug connector)
- ➤ Enclosure MOC: Polycarbonate
- ➤ Wetted parts: SS316/Ceramic
- ➤ Seal material: Viton
- ➤ Display output range: (-)19999 ~ 99999
- ➤ Ambient temperature: (-)20 ~ 80°C
- ➤ Process temperature: (-)25°C ~ 80°C
- ➤ Storage temperature: (-)40°C ~ 80°C
- ➤ Temperature drift: <35 ppm/ °C
- ➤ Output signal:
  - ➤ 4 ~ 20 mA (2 wires)
- ➤ Load resistance: (VCC-12)/ 20 mA
- ➤ Reverse polarity protection

Installation Drawing:

Pressure Transmitter



Differential Pressure Transmitter

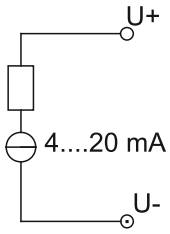


Electrical Connections:

Output Signal

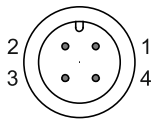
4....20 mA (2 Wire)

Equivalent Circuit



Electrical Connection

M12 x 1
4 pin Male Connecter



Function	Pin Assignment
U+	1
U-	3
NA	2
NA	4

Range code table (Scale - bar):

Pressure range:

Code	H01	H07	H10	H15	H25	H4T	H70	H1H	H2H	H4H	H6H
*Range	0 ~ 1	0 ~ 7	0 ~ 10	0 ~ 15	0 ~ 25	0 ~ 40	0 ~ 70	0 ~ 100	0 ~ 200	0 ~ 400	0 ~ 600

How to order:

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
Non std allocation	**Model**	**Version + Enclosure Type**	**Device + Pressure Type**	**Pressure Range**	**Electrical output**	**Communi-cation Options**	**Pressure Port and Sensor type**
☐A prefix "N" is used in the model code in case of any non standard options / accessories that are provided with this product	**GT** = Pressure transmitter with a display	**01** = Polycarbo-nate **03 =** SS enclosure (type 1) **04 =** SS enclosure (type 2)	**PG** = Gauge pressure **PA** = Absolute pressure **PD** = Differential pressure	*Please select a range from the range code tables above	**E0** = 4 ~ 20 mA analog o/p	**0** = no communication **2** = RS485	Please check the table below for the ordering code for Group 8 Contact sales office for other port sizes and sensors
Approx. Weight : PG/PA = 500gm. PD = 700gm.							

Group 8			
Device type	**Ordering code**	**Port size & type**	**Sensor type & description**
PG / PA	**P001**	½" BSPM	Ceramic sensor
	P002	½" NPTM	Ceramic sensor
	P003	½" BSPM	SS sensor
	P004	½" NPTM	SS sensor
	P005	1.5" Triclover	SS sensor
	P006	½" BSPM flush diaphragm	SS sensor
PD	**D001**	¼" BSPF	SS sensor
	D002	¼" NPTF	SS sensor
	D003	¼" BSPF	Bidirectional board mount sensor

***Actual pressure range will differ as per option selected from Group 4, in How to Order Table above.**
Note : Please contact sales office for a feature to display any unit other than 'bar'

eg. A GT series pressure transmitter having 0~10 bar gauge pressure with ½" BSPM port size and ceramic sensor will be specified by

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8
☐	GT	01	PG	H10	E0	0	P001

Note : As efforts are being made constantly to improve the design and method of manufacture, the product being supplied may differ in detail from illustration and data printed in this document. Please check our website for the updated information and contact our sales office for the specifications while ordering the product.

ISO 9001:2015
Certificate No.: **FM 72815**

Kaustubha Udyog (Orion Instruments)

AN ISO9001:2015 COMPANY

S. No. 36/1/1, Sinhgad Road, Vadgaon Khurd, Near Lokmat Press, Pune 411 041 INDIA
Tel. : +91-(0) 20-24393577 / 24393877
Email : ku.pressure@gmail.com / info@orion-instruments.io

Website : www.orion-instruments.io

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