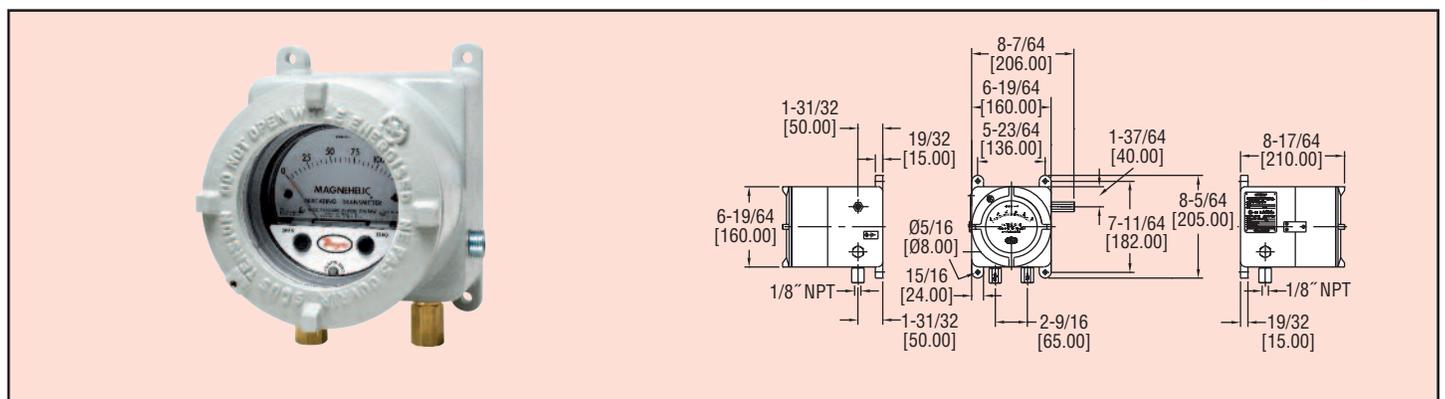




Series
AT2605

ATEX Approved 605 Differential Pressure Indicating Transmitter

Series 605 in Flame-Proof ATEX Enclosure



The ATEX approved **Series AT2605 Indicating Transmitter** provides for both visual monitoring and electronic control of very low differential pressure in hazardous locations. The easily read dial gage is complimented by the two-wire, 4 to 20 mA control signal utilizing the time-proven Dwyer® Magnehelic® gage mechanical design and Series 600 transmitter technology. The two-wire design simplifies any 4 to 20 mA control loop powered by a 10 to 35 VDC supply. Flame-proof ATEX enclosures are available in aluminum and can include a glass window for viewing process pressure on gage face.

Important notes for installation:

- Cables must be fitted through 1/2" NPT cable gland or ATEX conduit (not supplied with instrument).
- Make sure after cabling to close tight cover and cable gland, in order to keep IP66 rating (IP65 with option OPV, overpressure relief valve).
- Open cover only after de-energizing instrument.
- **Attention:** Check local safety rules and warnings on unit and manual for a correct use of the instrument in hazardous area.

SPECIFICATIONS

- GAGE SPECIFICATIONS**
Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult factory.
Accuracy: See 605 ordering page.
Pressure Limits: See 605 ordering page.
Temperature Limits: 20 to 120°F (-6.67 to 48.9°C); Case: -58 to 140°F (-50 to 60°C) (**Note:** Product temperature limits differ from case).
Size: 4" (101.6 mm) dial face.

TRANSMITTER SPECIFICATIONS

- Accuracy:** See 605 ordering page (includes linearity, hysteresis, repeatability).
Compensated Temperature Range: 32 to 120°F (0 to 48.9°C).
Thermal Effect: ±0.025% FS/°F (0.045% FS/°C).

- Stability:** ±1% FS/year.
Power Requirements: 10 to 35 VDC (2-wire).
Output Signal: 4 to 20 mA.
Zero and Span Adjustments: Protected potentiometers on 605 face. Can access those by opening case. Allowed only in safe zone.
Loop Resistance: DC; 0 to 1250 ohms max.
Current Consumption: DC; 38 mA max.
Electrical Connections: Screw terminal block.
Mounting Orientation: Diaphragm in vertical position.

- Enclosure Rating:** IP66. IP65 with option OPV, overpressure relief valve.
Housing Material: Aluminum.
Finishing: Texture epoxy coat RAL7038.
Pressure Connections: 1/8" NPT female brass (SS optional). In presence of acetylene it is necessary to use SS.
Electrical Connections: Two 1/2" FNPT. Cable gland not included.
Weight: 2.6 lb (5.7 kg).
ATEX Approved Products from Comhas with ECN: NEMKO 10ATEX1096.
Agency Approvals: CE 0470 Ex II2 GD Ex d IIC Gb T6; -50°C ≤ Ta ≤ +60°C Ex tb IIIC Db T 85°C.

Model	AT2605								
Range	-00N -11 -0 -1 -2 -3 -6 -10 -20 -30 -50 -60 Pa -125 Pa -250 Pa -500 Pa								.05 to 0 to .20 in w.c. .25 to 0 to .25 in w.c. 0 to .50 in w.c. 0 to 1.0 in w.c. 0 to 2.0 in w.c. 0 to 3.0 in w.c. 0 to 6.0 in w.c. 0 to 10.0 in w.c. 0 to 20.0 in w.c. 0 to 30 in w.c. 0 to 50 in w.c. 0 to 60 Pa 0 to 125 Pa 0 to 250 Pa 0 to 500 Pa
Option		-X							Standard construction
Housing Material			-A						Aluminum
Housing Options				B O					Blind Glass top cover 1/8" NPT female brass ports 1/8" NPT female SS ports Standard without overpressure relief valve Overpressure relief valve Material same as ports SS information label
					1 2		X		
							OPV		
								T2	