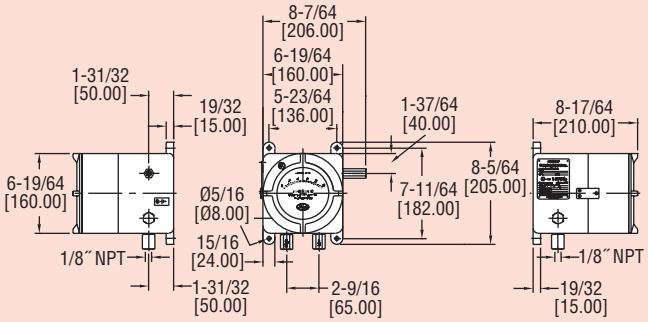
Series AT2 605

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.

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

SPECIFICATIONS

GAGE SPECIFICATIONS

Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult factory.
Accuracy: See page reference ❶ below.
Pressure Limits: See page reference ❶ below.
Temperature Limits: 20 to 120°F (-6.67 to 48.9°C); Case: -76 to 140°F (-60 to 60°C) (**Note:** Product temperature limits differ from case).
Size: 4″ (101.6 mm) dial face.

TRANSMITTER SPECIFICATIONS

Accuracy: See page reference ❶ below. 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 Ω 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.
Process Connections: 1/8″ NPT female brass (SS optional). In presence of acetylene it is necessary to use SS.
Electrical Connections: Two 1/2″ NPT female. Cable gland not included.
Weight: 12.6 lb (5.7 kg).
ATEX Approved Products from Comhas with ECN: BVI 14ATEX0072.
Agency Approvals: CE 1370 Ⓔx II2 GD Ex d IIC Gb T6; -60°C ≤ Ta ≤ +60°C Ex tb IIIC Db T 85°C.

❶605 Ordering Page: See page 52 (Series 605)