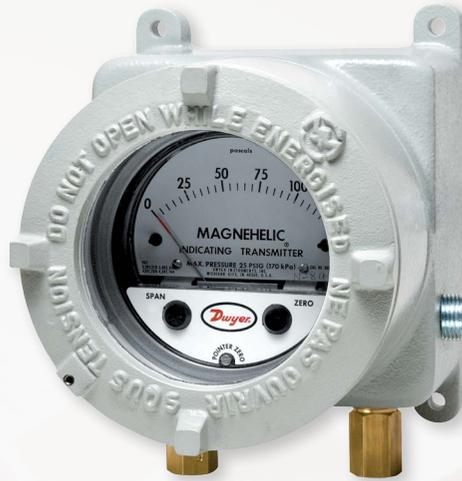




SERIES AT2605 | ATEX/IECEX APPROVED 605 DIFFERENTIAL PRESSURE TRANSMITTER



FEATURES/BENEFITS

- ATEX/IECEX housing provides all the capabilities and value of the Magnehelic® 605 in a flame & explosion-proof enclosure
- Quick response to pressure changes means no delay in assessing critical situations
- Durable and rugged housing and high-quality components combined provides long service life and minimized down-time
- High impact strength and high temperature rating for applications where hazardous environments exists

APPLICATIONS

- Monitor pressures in ducts, rooms, or total building pressures
- Filter monitoring
- Local indication of clean room pressures with process signal sent to control room
- Hazardous area pressure measurement and transmitter

DESCRIPTION

The **Series AT2605 ATEX/IECEX Approved Differential Pressure 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, 4-20 mA control signal utilizing the time-proven Dwyer® Magnehelic® gage mechanical design and Series 600 transmitter technology. The two-wire design simplifies any 4-20 mA control loop powered by a 10-35 VDC supply. Flame-proof enclosures are available in aluminum and can include a glass window for viewing process pressure on gage face.

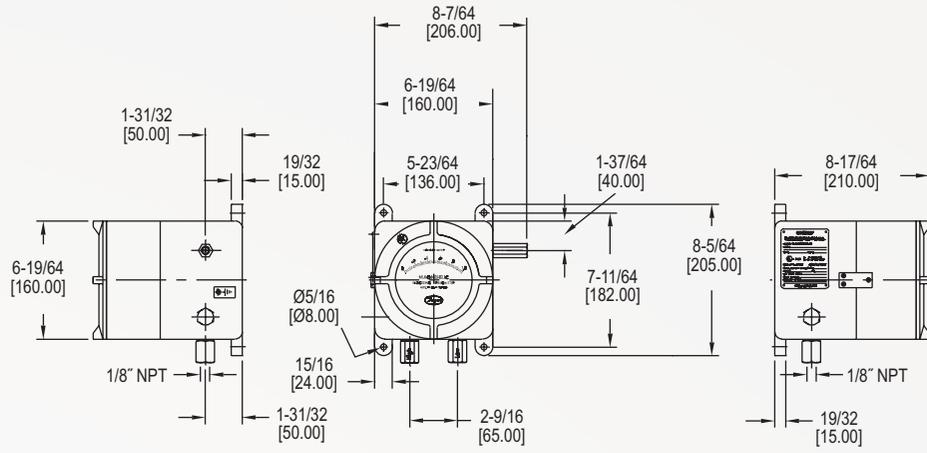
SPECIFICATIONS

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) (Note: Product temperature limits differ from case).
Size	4" (101.6 mm) dial face.

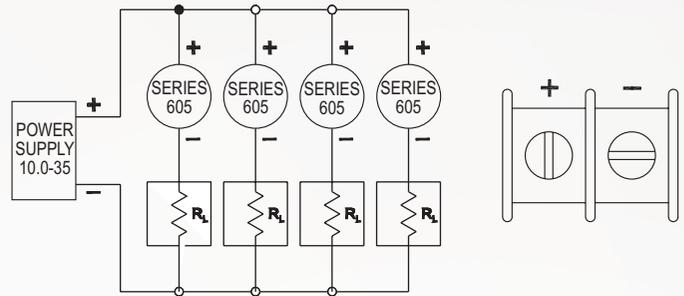
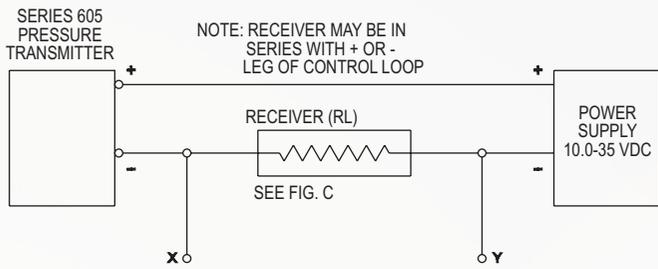
TRANSMITTER SPECIFICATIONS

Accuracy	See 605 ordering page (includes linearity, hysteresis, repeatability).
Comp. 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	10-35 VDC (2-wire).
Output Signal	4-20 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.
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	12.6 lb (5.7 kg).
ATEX Certificate	BVI 14ATEX0072.
Agency Approvals	ATEX Compliant CE 1370  II 2G Ex d IIC T6 Gb / II 2D Ex tb IIIC T85°C Db, -60°C ≤ Tamb ≤ +60°C IECEx Compliant: Ex d IIC T6 Gb / Ex tb IIIC T85°C Db.

DIMENSIONS

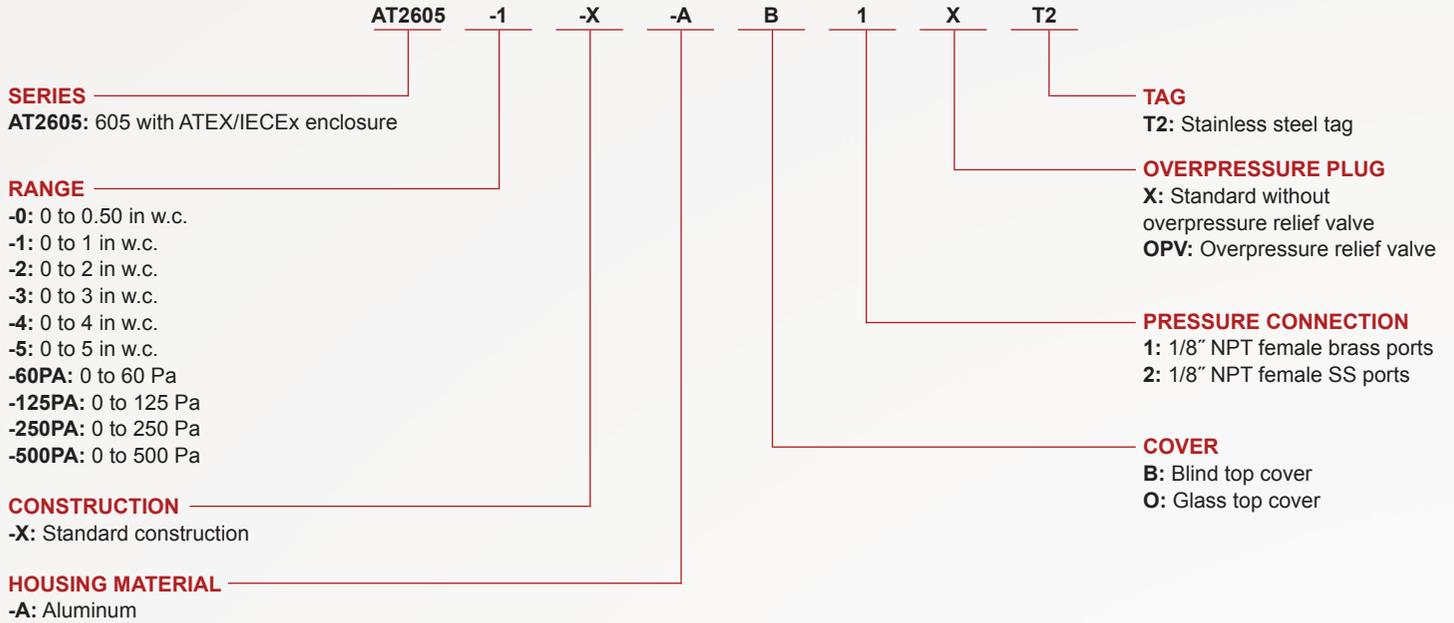


WIRING DIAGRAM



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.



ORDER ONLINE TODAY!

dwyer-inst.com/Product/SeriesAT2605



DWYER INSTRUMENTS, INC.

©Copyright 2019 Dwyer Instruments, Inc.
Printed in U.S.A. 6/19

DS-AT2605 Rev. 1

Important Notice: Dwyer Instruments, Inc. reserves the right to make changes to or discontinue any product or service identified in this publication without notice. Dwyer advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current.