

SERIES 605 | MAGNEHELIC® DIFFERENTIAL PRESSURE INDICATING TRANSMITTER

FEATURES/BENEFITS

- Easy to read gage permits viewing from far away
- Patented design provides quick response to pressure changes means no delay in signaling and alerting to critical situations
- Durable and rugged housing and high-quality components combined provides long service life and minimized down time
- 4 to 20 mA output allows for integration into Building Automation Systems
- Optional stainless steel bezel is the same installation diameter as Magnehelic® gage and simplifies field upgrade to 605 indicating transmitter

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

DESCRIPTION

The **SERIES 605** Magnehelic® Indicating Transmitter provides for both visual monitoring and electronic control of very low differential pressure. The Series 605 is ideal for control applications in building HVAC systems where local indication is desired during routine maintenance checks or necessary when trouble shooting the system. 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 with terminal strip on the rear simplifies connection in any 4 to 20 mA control loop powered by a 10 to 35 VDC supply.



Note: Shown with optional -SS bezel. Backward compatible with Magnehelic® Gage.

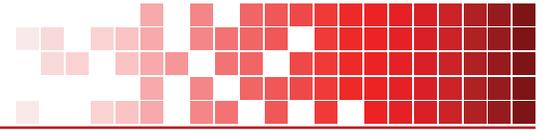
GAGE SPECIFICATIONS

Service	Air and non-combustible, compatible gases.
Wetted Materials	Consult factory.
Accuracy	See ordering page.
Stability	±1% FS/yr.
Pressure Limits	See ordering page.
Temperature Limits	20 to 120°F (-6.67 to 48.9°C).
Process Connections	1/8" female NPT.
Size	4" (101.6 mm) dial face, 5" (127 mm) OD x 2-11/16" (68.3 mm). For -SS Bezel 4-3/4" OD (120.7 mm) x 2-21/32" (67.5 mm).
Weight	1 lb, 12.6 oz (811 g).
Agency Approvals	CE.

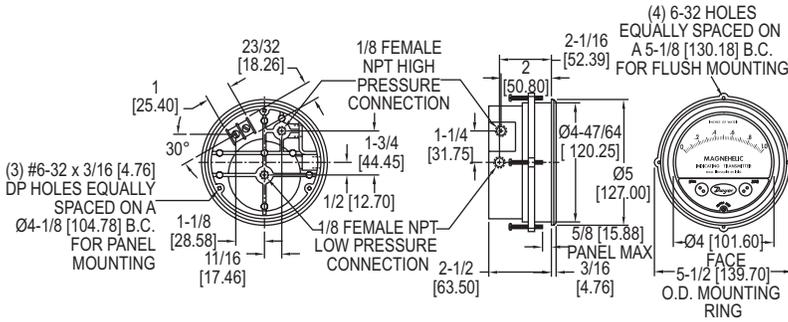
TRANSMITTER SPECIFICATIONS

Accuracy	See ordering page (includes linearity, hysteresis, and repeatability).
Temperature Limits	20 to 120°F (-6.67 to 48.9°C).
Compensated Temperature Range	32 to 120°F (0 to 48.9°C).
Thermal Effect	±0.025% FS/°F (0.045% FS/°C).
Power Requirements	10 to 35 VDC (2-wire).
Output Signal	4 to 20 mA.
Zero and Span Adjustments	Protected potentiometers.
Loop Resistance	DC: 0 to 1250 Ω maximum.
Current Consumption	DC: 38 mA maximum.
Electrical Connections	Screw terminal block.
Mounting Orientation	Diaphragm in vertical position. Consult factory for other position orientations.

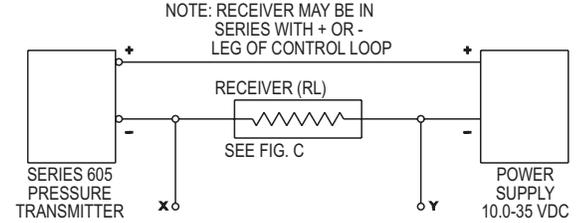




DIMENSIONS



WIRING DIAGRAM



HOW TO ORDER

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

SERIES _____ **605** **-X** **-X**

605 - Differential pressure indicating transmitter

VARIANT 1

00N - 0.05 to 0 to 0.20 in w.c.	20 - 0.05 to 20.0 in w.c.
0 - 0.05 to 0.50 in w.c.	30 - 0.05 to 30.0 in w.c.
1 - 0.05 to 1.0 in w.c.	50 - 0.05 to 50.0 in w.c.
2 - 0.05 to 2.0 in w.c.	60PA - 0 to 60 Pa
3 - 0.05 to 3.0 in w.c.	125PA - 0 to 125 Pa
6 - 0.05 to 6.0 in w.c.	250PA - 0 to 250 Pa
10 - 0.05 to 10.0 in w.c.	500PA - 0 to 500 Pa
11 - 0.25 to 0 to 0.25 in w.c.	1KPA - 0 to 1kPa
12 - 0 to ±60 Pa	1.5KPA - 0 to 1.5kPa

OPTIONS

- AT** - Aluminum tag
- G** - Green scale overlay
- HC** - Horizontal calibration (90 deg face up)
- M** - Mirror scale overlay
- NIST** - NIST traceable calibration certificate
- R** - Red scale overlay
- SS** - Brushed 304 stainless steel bezel
- ST** - Stainless steel tag
- TA** - Tilt angle from vertical in degrees (-90 to 90)
- WP** - Weather proof enclosure
- Y** - Yellow scale overlay

ACCESSORIES

Model	Description
A-298	Flat aluminum bracket for flush mounting Photohelic® & Capsuhelic® gages, 603A, 605, and 3000MR
A-370	Flush mount bracket used with: Photohelic® 3000MR/MRS, Capsuhelic®, 631B transmitter, EDA. Bracket is then surface mounted. Steel with gray hammertone epoxy finish
A-320-B	Enclosure for 3000MR/MRS Photohelic® switch/gage, 605 Magnehelic® DP transmitter, DH3 DigiHelic® pressure controller, 2000 Magnehelic® gage with medium and high pressure options, 4-13/16" (122.24 mm)
A-489	4" 303 SS straight static pressure tap with flange

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