

10

PRESSURE DETECTION

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Air Differential Pressure Switches

These are high sensitivity air differential pressure switches, suitable for providing an indication of fan status and dirty filter conditions. The switching setpoint is adjusted by knob mounted under the main cover. Units are supplied complete with a duct fixing kit.

Features

- Duct fixing kit included
- IP54 housing

PA-930 Climair® Series

Description	Part No.
IP54 Switch Housing	
20 - 300Pa	PA-930-80
50 - 500Pa	PA-930-83
200 - 1000Pa	PA-930-85



Air Differential Pressure Switches

This series air differential pressure switches are suited in domestic, commercial and industrial areas strong polluted on air conditioning and ventilating systems for filter monitoring, correct fan functioning control, low pressure and overpressure monitoring.

Features

- Differential pressure for air controls
- Alarm activation at a preset value

PA1x Series

Description	Part No.
IP54 Switch Housing	
20 - 300Pa	PA10
50 - 500Pa	PA12
IP65 mounted in 130x130x99mm enclosure	
20 - 300Pa	PA10-IP65
50 - 500Pa	PA12-IP65



Air Differential Pressure Switches

To monitor air flow, dirty filters, flue draught, frost on coils & level. For positive, negative, vacuum & differential pressure. Suitable for non-corrosive, non-combustible air/gases.

Specification

- Enclosure: Steel zinc plated
- EFS-02HT - High temperature model includes - 2 x Brass duct adaptors for 6mm OD metal tube.

EDA..., EADP... & EFS... Series

Range mbar	Diff. mbar	Approx.	Max Press mbar	230VAC SPDT	Media Temp °C	Rating	Part No.
0.13/30	0.05/2		35	10(2)A	80	IP30	EFS-02
0.13/30	0.05/2		35	10(2)A	300	IP30	EFS-02HT

Electro Controls



Accessories

Description	Part No.
Brass duct flange for 6mm OD metal tube	EE-BFN
Copper tube 6mm OD x 10m for EFS...	EE-CT6
Duct kit 2m EE-PH + 2xEE-PT for EFS-02	EE-D1
Duct kit 2m EE-PH + 2xEE-PT for EDA... & EADP	EE-D2
PVC hose 5x8mm (order per metre)	EE-PH
70mm plastic duct adaptor for use with PVC hose	EE-PT
Plastic T connector for use with PVC hose	EE-TE
Plastic straight connector for use with PVC hose	EE-TA
Plastic Y connector for use with PVC hose	EE-TY



Air Differential Pressure Switches

These are highly sensitive air differential pressure switches, suitable for providing an indication of fan status and 'dirty filter' conditions. The switching setpoint is adjusted by means of a knob mounted under the main cover. Units are supplied complete with a duct fixing kit.

Features

- Duct fixing kit included
- IP54 or IP65 housing option
- One screw needed for housing cover
- Scale in Pascal's

PA-DPS Series

Type	Differential	Part No.
IP54 Switch Housing		
20 - 300Pa	10Pa	PA-DPS-88
50 - 500Pa	20Pa	PA-DPS-83
200 - 1000Pa	100Pa	PA-DPS-85
IP65 Switch Housing		
20 - 300Pa		PA-DPS-90W
50 - 500Pa		PA-DPS-91W
100 - 1000Pa		PA-DPS-92W
500 - 2000Pa		PA-DPS-94W





Part No. Completion
When ordering complete the Part No. by adding the following:-

Options Add
Static pressure probe S



Part No. Completion
When ordering complete the Part No. by adding the following:-

Options Add
Integral LCD Screen LCD
0-10 Voltage output V

Multi-Configurable Air Differential Pressure Sensor

The PA-60-x series of differential pressure transmitters are ideal for measuring filter conditions, as well as many other applications in ventilation/air conditioning systems in buildings, laboratory's and clean rooms (air and non-corrosive gases).

Features

- User selectable measurement range
- IP65 housing
- Duct fixing kit included
- Snap-fit cover

Specification

- Supply: 24V AC/DC $\pm 10\%$ (3 wire)
- Accuracy: $\pm 3.0\%$ max (PA-60-1)
 $\pm 2.0\%$ max (PA-60-2/3/4)
 $\pm 1.0\%$ max (PA-60-2-HA)

PA-60 Series

Type	Part No.	Option
0 to 25, 50, 150 & 250Pa Multi Range Selectable 0-10V DC or 4-20mA Selectable Output	PA-60-1	<input type="checkbox"/>
0 to 50, 100, 300 & 500Pa Multi Range Selectable 0-10V DC or 4-20mA Selectable Output	PA-60-2	<input type="checkbox"/>
0 to 50, 100, 300 & 500Pa Multi Range Selectable 0-10Vdc or 4-20mA Selectable Output High Accuracy	PA-60-2-HA	<input type="checkbox"/>
0 to 125, 250, 750 & 1250Pa Multi Range Selectable 0-10Vdc or 4-20mA Selectable Output	PA-60-3	<input type="checkbox"/>
0 to 250, 500, 1500 & 2500Pa Multi Range Selectable 0-10Vdc or 4-20mA Selectable Output	PA-60-4	<input type="checkbox"/>
Accessories		
Duct fixing kit	DFK	
Tee piece air pressure (pack of 10)	TEE	
PVC tube 8mm ϕ /d x 1.5mm wall, 30m reel	PA-TUBE-8MM	
Integral LCD Display	LCD	

Multi-Configurable Air Differential Pressure Sensor

The PA-65x pressure transducers sense differential or gauge (static) pressure and convert this pressure difference to a proportional electrical output for either field selectable unidirectional or bidirectional pressure ranges. The PA-650 series is offered with field selectable ranges and analogue outputs of 0 to 5V DC, 0 to 10V DC, or 4 to 20mA.

Features

- Field selectable multi-ranges
- Re-zero
- Integral LCD
- IP65 housing
- Duct fixing kit included
- Snap-fit cover

Specification

- Supply: 24V DC
- Accuracy: $\pm 1.0\%$ max (Overall)
 $\pm 0.98\%$ max (Non-linearity)
 $\pm 0.10\%$ max (Hysteresis)
 $\pm 0.05\%$ max (Non-repeatability)

PA-65 Series

Type	Part No.	Option
0 to 25, 50, 150 & 250Pa Multi Range Selectable 0-10V DC or 4-20mA Selectable Output	PA-65-0	<input type="checkbox"/>
0 to 50, 100, 300 & 500Pa Multi Range Selectable 0-10V DC or 4-20mA Selectable Output	PA-65-1	<input type="checkbox"/>
0 to 50, 100, 300 & 500Pa Multi Range Selectable 0-10Vdc or 4-20mA Selectable Output High Accuracy	PA-65-2	<input type="checkbox"/>
Accessories		
Duct fixing kit	DFK	
Tee piece air pressure (pack of 10)	TEE	
PVC tube 8mm ϕ /d x 1.5mm wall, 30m reel	PA-TUBE-8MM	
Integral LCD Display	LCD	

Multi-range Air Differential Pressure Sensor

Sontay's range of field selectable multi-range differential pressure transmitters, incorporate a proven ceramic fulcrum lever technology for pressure measurement. The PA-699 has up to three field selectable ranges in one unit, providing versatility for a multitude of applications.

Features

- Adjustable measurement range
- IP65 housing
- Duct fixing kit included
- Compact construction

Specification

- Supply: 13.5 to 33V DC or 24V AC $\pm 15\%$
- Accuracy: $\pm 1.0\%$ max (PA-699-01 to 04)
 $\pm 0.6\%$ (Others)
- Output: 0-10 Volts or 4-20mA

PA-699 Series

Type	Part No.	Option
0 to 30, 50 & 100Pa (bidirectional)	PA-699-01	<input type="checkbox"/>
0 to 30, 50 & 100Pa	PA-699-02	<input type="checkbox"/>
0 to 100, 300 & 500Pa	PA-699-04	<input type="checkbox"/>
0 to 500, 1000 & 1600Pa	PA-699-06	<input type="checkbox"/>
0 to 1600, 2500 & 5000Pa	PA-699-08	<input type="checkbox"/>
Accessories		
Duct fixing kit	DFK	
Tee piece air pressure (pack of 10)	TEE	
PVC tube 8mm ϕ /d, 30m reel	PA-TUBE-8MM	
DIN-rail bracket	PA-BRK	
Calibration certificate \neq	PA-699-CAL	

\neq This option must be specified at the time of sensor order. They are built to order and not available ex-stock.

Air Differential Pressure Transducer

PTH is a series of pressure transducers which are ideal for monitoring and controlling pressure differentials in ventilation systems. PTH transducers are unique to its competitors in that they can be configured to suit any controller. With 8 different pressure ranges and the possibility of choosing between voltage and current outputs, PTH pressure transducers have a wide range of applications, are easy to install and save space in the stores and service van.

Standard Features

- Supply voltage: 24V AC
13.5 - 28V DC
- Pressure connector: 2 x 6.2mm
- Cable entry: PG11
- Enclosure: IP54
- Zero-set switch
- Quick release cover
- All units come with easy to use instructions and diagrams

PTH Series

Ranges	Part No.
-0.5 to +0.5 mbar	0-10V DC or 2-10V DC 4-20mA or 0-20mA
0 to 1 mbar	
0 to 1.5 mbar	
0 to 3 mbar	
0 to 5 mbar	
0 to 10 mbar	
0 to 16 mbar	
0 to 25 mbar	

Bailey & Mackey Ltd



Air Differential Pressure Sensors (multi-range)

Specification

- Supply: 24V AC or DC
- Multiple selectable ranges
- Output: 0-10 Volts or 4-20mA

TPDPT7 Series

Type	Part No.
4 x +/- Selectable ranges: 0-25, 0-50, 0-75, 0-100Pa	TPDPT7/100
4 x +/- Selectable ranges: 0-25, 0-50, 0-75, 0-100Pa with display	TPDPT7/100/D
4 x +/- Selectable ranges: 0-100, 0-200, 0-300, 0-400, 0-500Pa	TPDPT7/500
4 x +/- Selectable ranges: 0-100, 0-200, 0-300, 0-400, 0-500Pa with display	TPDPT7/500/D
8 x +/- Selectable ranges: 0-50, 0-125, 0-250, 0-500, 0-1000, 0-1500, 0-2000, 0-2500Pa	TPDPT/2500
8 x +/- Selectable ranges: 0-50, 0-125, 0-250, 0-500, 0-1000, 0-1500, 0-2000, 0-2500Pa with display	TPDPT7/2500/D
6 x Selectable ranges: 0-5000, 0-6000, 0-7000, 0-8000, 0-9000, 0-10000	TPDPT7/10000

TITAN
Products Ltd.



BELIMO



Air Differential Pressure Transmitter

Differential pressure transmitter with 8 selectable ranges and outputs 0..5V, 0..10V or 4 to 20mA. NEMA 4X / IP65 rates enclosure. For monitoring differential pressure of air and other non-flammable and non-aggressive gases. Monitoring air filters, fans, Industrial cooling air cycles, control of air and fire dampers. DIN rail mounting included. Options available with LCD display, Auto Zero feature, MODBUS RTU and BACnet MS/TP versions available.

Standard Features

- Supply voltage: 24V AC
15-24V DC
- Pressure connector: 2 x 5.3mm
- Cable entry: PG11 (20mm conduit adaptor available)
- Enclosure: IP65 / NEMA 4x
- Zero-set switch
- Snap-on cover
- All units come with easy to use instructions and diagrams

22 ADP Series

Ranges	Output signal	Display type	Additional Features	Part No.
0...250 Pa version with 8 selectable ranges				
-25...25 Pa		-	-	22ADP-18Q
-50...50 Pa		LCD	-	22ADP-18L
-100...100 Pa	DC 0...10V	-	Auto-zero	22ADP-18QA
-150...150 Pa	DC 0...5V	LCD	Auto-zero	22ADP-18QB
0...25 Pa	4...20mA	-	Volumetric flow	22ADP-15Q
0...50 Pa		LCD	Volumetric flow, MODBUS	22ADP-15QL
0...100 Pa		-	Volumetric flow, auto-zero, MODBUS	22ADP-15QA
0...250 Pa		LCD	Volumetric flow, auto-zero, MODBUS	22ADP-15QB
0...2500 Pa version with 8 selectable ranges				
-100...100 Pa		-	-	
0...100 Pa		-	-	
0...250 Pa	DC 0...10V	-	Volumetric flow, MODBUS	22ADP-184
0...500 Pa	DC 0...5V	LCD	Volumetric flow, MODBUS	22ADP-184L
0...1000 Pa	4...20mA	-	-	22ADP-154
0...1500 Pa		LCD	-	22ADP-154L
0...2000 Pa		-	-	
0...2500 Pa		-	-	
0...7000 Pa version with 8 selectable ranges				
0...1000 Pa		-	-	
0...1500 Pa		-	-	
0...2000 Pa	DC 0...10V	-	-	22ADP-186
0...2500 Pa	DC 0...5V	LCD	-	22ADP-186L
0...3000 Pa	4...20mA	-	Volumetric flow, MODBUS	22ADP-156
0...4000 Pa		LCD	Volumetric flow, MODBUS	22ADP-156L
0...5000 Pa		-	-	
0...7000 Pa		-	-	

Electro Controls



Air Differential Pressure Transmitters

These devices measure vacuum, pressure or differential pressure of air and non-combustible, non-aggressive gases across fans, filters, air flow devices etc and give a 0-10V DC output signal linear across the range. Suitable for air conditioning, ventilation and building management systems. Models with square root extracted output are available on request.

Specification

- Accuracy: <3% (EDT-050)
<2% (EDT-1...25)
- Pressure: -0.25 to +2 bar

EDT... Series

Range mbar	Max. Press. mbar	Output Signal	Pressure Connections	Rating	Part No.
-0.5 to +0.5	50	0-10V DC	6mm push-on	IP54	EDT-050
0 to 1	50	0-10V DC	6mm push-on	IP54	EDT-1
0 to 3	50	0-10V DC	6mm push-on	IP54	EDT-3
0 to 5	50	0-10V DC	6mm push-on	IP54	EDT-5
0 to 10	50	0-10V DC	6mm push-on	IP54	EDT-10
0 to 16	50	0-10V DC	6mm push-on	IP54	EDT-16

Differential Pressure Transducers

This series of miniature differential pressure transducers have a piezo-resistive sensor and a unique conductive seal that eliminates internal wire bonding. Zero and full scale adjusters are provided under the top cover. They are ideal for use in areas requiring exact pressure measurement, low hysteresis and long term stability. For all applications where air, oil or water is to be monitored.

Specification

- Pressure connections: 1/8" BSP Female brass
- Max. media temp. -20 to +80°C

482 Series

Ranges	Outputs	Part No.
0 to 35 mbar	4-20mA (3 wire)	482A
0 to 70 mbar		
0 to 350 mbar	0-10V DC (2 wire)	482B
0 to 1 bar		
0 to 2 bar		
0 to 7 bar		
0 to 17 bar		

Bailey & Mackey Ltd



Liquid Differential Pressure Switches

1482 Series

Range Bar	Diff. Bar	Max. Press. Bar	Media Contact Materials	Rating	Part No.
0.2 to 4	20 to 250 mbar	6	Brass/Phosphor bronze	IP40	BK100



Liquid Differential Pressure Switches

These units can be used to monitor the flow of liquids across pumps, boilers, chillers, valves etc. They can also be used to monitor dirty filter conditions. Suitable for water, air, oil, diesel and up to 30% glycol etc. Type EP-099/100/101 are suitable for low pressure applications i.e. below 0.4 bar.

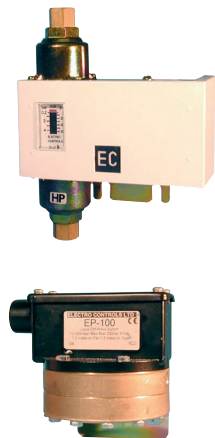
Specification

- Pressure connections: 1/4" BSP Female
1/4" BSP Male (EP-113/ST)
- Max. media temp. 80°C

EP... Series

Range Bar	Diff. Bar	Max. Press. Bar	Media Contact Materials	Rating	Part No.
0.2 to 4	0.1	23	Brass/Phosphor bronze	IP40	EP-113
0.2 to 4	0.07 to 1	10	Brass/Phosphor bronze	IP40	EP-114W
0.2 to 4	0.2 to 4	16	Brass/Phosphor bronze	IP40	EP-115W
0.2 to 4	8 to 125	6	Brass/Phosphor bronze	IP40	EP-099
0.2 to 4	10 to 300	6	Brass/Phosphor bronze	IP40	EP-100
0.2 to 4	25 to 400	6	Brass/Phosphor bronze	IP40	EP-101

Electro Controls



Liquid Pressure Switches

Suitable to monitor static or positive pressure of water, air, oil, diesel, steam** etc & switch in the event of high or low pressure conditions. Two switches must be used if both high and low pressures are to be controlled.

Features

- * The minimum differential will gradually increase by approx 60% as the switch setting is increased
- **The pressure line can be formed into a U shape/syphon for media temperatures up to 300°C
- Tamper proof adjustment
- Volt free contacts

Specification

- Pressure connections: 1/2" BSP Female
- Max. media temp: 80°C

EP... Series

Range Bar	Diff. Bar	Max. Press. Bar	Media Contact Materials	Rating	Part No.
0.1 to 2	* 0.7 to 1.9	40	Cast aluminium/Nitrile	IP65	EP-2
0.2 to 4	* 0.15 to 3.7	40	Cast aluminium/Nitrile	IP65	EP-4
0.5 to 8	* 0.3 to 7.5	40	Cast aluminium/Nitrile	IP65	EP-8
1 to 16	* 0.6 to 15	48	Cast aluminium/Nitrile	IP65	EP-16





Liquid Pressure Switches

Adjustable pressure switches, suitable for the monitoring of flow failure and proving in pumps, chillers, valves etc. Units have an adjustable setpoint and differential.

Features

- Adjustable pressure range
- Narrow adjustable differential

PL-PSA Series

Range Description	Rating	Part No.
-0.75-+3 Bar	IP30	PL-PSA1
-0.8-+1.5 Bar		PL-PSA2
-0.5-+7 Bar		PL-PSA3
Accessories		
Mounting bracket for PSA		BRK

Liquid Differential Pressure Switches

Liquid differential pressure switch suitable for monitoring flow status across pumps, chillers, valves etc. The switch has an adjustable set point from 0.3 bar to 4.5 bar (4.4 to 65.3 psi) with a fixed differential of 0.2 bar (2.9 psi).

Features

- SPDT switch
- Simple to configure
- Single unit covers a wide pressure range

PL-FD Series

Range Description	Rating	Part No.
0.3 to 4.5 bar	IP30	PL-FD113

Differential Pressure Switches

Ideal for flow monitoring and proving applications in heating, ventilating and air-conditioning systems.

Features

- Over-pressure safety capability to 10 bar/20 bar
- Mechanically isolated switching chamber for safety and reliability
- Medium temperatures to 80°C
- Rugged construction
- Adjustable setting and differential

Specification

- Pressure connections: 1/8" BSP Female
- Max. media temp. -10 to +80°C

PL-630 Series

Range Description	Rating	Part No.
6 to 20 mbar	IP65	PL-630-A-0.02
15 to 60 mbar	IP65	PL-630-A-0.06
40 to 200 mbar	IP65	PL-630-A-0.2
0.15 to 1 bar"	IP65	PL-630-A-1
1 to 3 bar	IP65	PL-630-A-3
2 to 5.5 bar	IP65	PL-630-A-5.5

Static Pressure Switches

Features optimised polymer diaphragm technology to give long term stability and excellent repeatability of switching points and housed within a rugged industrial case.

Features

- Suitable for liquids and gases
- High vibration resilience
- Adjustable switching differential
- Spade connectors and gland supplied

PL-625 Series

Range Description	Rating	Part No.
120-2200mbar	IP54	PL-625-2.2
1000-6000mbar	IP54	PL-625-6

Low Range Differential Pressure Sensors

A sensor for liquids and gases which uses the 'Hall Effect' sensing technology. The high over pressure resilience and rugged mechanical construction make this product suitable for a wide range of HVAC applications.

Features

- Output signal in current or voltage
- High over pressure safety margin
- High linearity, accuracy and repeatability
- Rugged IP65 case construction
- Used for mildly aggressive liquids and gases

Specification

- Pressure connections: 1/8" BSP Female
- Max. media temp. -10 to +80°C

PL-652 Series

Sensor Type	Range Description	Part No.
4-20mA output (3-wire)	0 to 50 mbar	PL-652-0.05
0-10V DC output	0 to 50 mbar	PL-652-0.05-V
Accessories		
Calibration certificate [≠]		PL-652-CAL

[≠] This option must be specified at the time of sensor order. They are built to order and not available ex-stock.

Liquid Differential Pressure Sensors

For high accuracy and close control applications, the PL-692 features ceramic sensing technology for exceptional accuracy and reliability. The amplified sensing technologies allow high temperature stability and no creepage associated with mechanical systems.

Features

- Current and voltage output models
- Supplied with 6mm o/d fittings
- Easy installation and wiring
- Complete with 1.5m cable, ready connected
- High temperature stability

Specification

- Max. ambient temp: -15 to +80°C
- Response time: <5ms

PL-692 Series

Sensor Type	Transmitter Description	Part No.
4-20mA output (2-wire loop powered)	0 to 100 mbar	PL-692-0.1
	0 to 200 mbar	PL-692-0.2
	0 to 400 mbar	PL-692-0.4
	0 to 1 bar	PL-692-1
	0 to 2.5 bar	PL-692-2.5
	0 to 4 bar	PL-692-4
	0 to 6 bar	PL-692-6
	0 to 10 bar	PL-692-10
	0 to 16 bar	PL-692-16
	0-10V DC output	0 to 100 mbar
0 to 200 mbar		PL-692-0.2-V
0 to 400 mbar		PL-692-0.4-V
0 to 1 bar		PL-692-1-V
0 to 2.5 bar		PL-692-2.5-V
0 to 4 bar		PL-692-4-V
0 to 6 bar		PL-692-6-V
0 to 10 bar		PL-692-10-V
0 to 16 bar		PL-692-16-V

Accessories

Calibration certificate ≠ PL-692-CAL

≠ This option must be specified at the time of sensor order. They are built to order and not available ex-stock.



Static Pressure Transmitters

The PL-52x range of static pressure transmitters are suitable for use with a large range of liquids and gases compatible with the FPM (viton) seal. The pressure transmitter is based on proven ceramic technology for exceptional performance speed and reliability.

Features

- Suitable for water, steam (with PL-HS) or air
- Compact rugged construction
- Negligible temperature influence
- Supply short circuit & polarity reversal protected

Specification

- Electrical terminals and gland to DIN EN175 301-803-A
- IP65 protection

PL-52x Series

Sensor Type	Description	Part No.
4-20mA output (2-wire loop powered)	0 to 100mbar	PL-525-0.1
	0 to 200mbar	PL-525-0.2
	0 to 300mbar	PL-525-0.3
	0 to 600mbar	PL-525-0.6
	0 to 1 bar	PL-528-1
	0 to 1.6 bar	PL-528-1.6
	0 to 2.5 bar	PL-528-2.5
	0 to 4 bar	PL-528-4
	0 to 6 bar	PL-528-6
	0 to 10 bar	PL-528-10
0-10V DC output	0 to 16 bar	PL-528-16
	0 to 25 bar	PL-528-25
	0 to 40 bar	PL-528-40
	0 to 100mbar	PL-525-0.1-V
	0 to 200mbar	PL-525-0.2-V
	0 to 300mbar	PL-525-0.3-V
	0 to 600mbar	PL-525-0.6-V
	0 to 1 bar	PL-528-1-V
	0 to 1.6 bar	PL-528-1.6-V
	0 to 2.5 bar	PL-528-2.5-V
	0 to 4 bar	PL-528-4-V
	0 to 6 bar	PL-528-6-V
	0 to 10 bar	PL-528-10-V
	0 to 16 bar	PL-528-16-V
	0 to 25 bar	PL-528-25-V
	0 to 40 bar	PL-528-40-V

Accessories

Heatsink PL-HS

Calibration certificate ≠ PL-528-CAL

≠ This option must be specified at the time of sensor order. They are built to order and not available ex-stock.



BELIMO®



Water Pressure & Flow Sensors

Static Pressure

Description	Output signal	Pressure range	Part No.
Active	DC 0...10V	0...4 bar	22WP-114
		0...6 bar	22WP-115
		0...10 bar	22WP-116
	4...20mA	0...16 bar	22WP-117
		0...4 bar	22WP-134
		0...6 bar	22WP-135
		0...10 bar	22WP-136
		0...16 bar	22WP-137

Differential Pressure

Active	DC 0...10V	0...1 bar	22WDP-111
		0...2.5 bar	22WDP-112
		0...4 bar	22WDP-114
	4...20mA	0...6 bar	22WDP-115
		0...1 bar	22WDP-131
		0...2.5 bar	22WDP-132
		0...4 bar	22WDP-134
		0...6 bar	22WDP-135

Flow (Volumetric Flow)

Description	Output signal	Flow rate	Part No.
Active	DC 0...10V	0...0.42 l/s	FM015R-SZ
		0...0.78 l/s	FM020R-SZ
		0...1.38 l/s	FM025R-SZ
		0...2.16 l/s	FM032R-SZ
		0...3.00 l/s	FM040R-SZ
		0...5.76 l/s	FM050R-SZ

Dwyer®



Magnehelic® Differential Pressure Gauges 2000 Series

Features

• Accuracy: ±2% of full scale at 70°F (21.1°C)

• Temperature limits: 20°F to 140°F (-6.67°C to 60°C)

Magnehelic® Gauges

Measurement Type	Range	Accuracy	Part No.
Pa Pascal	0-60	±4%	2000-60PA
	0-100	±3%	2000-100PA
	0-125		2000-125PA
	0-250		2000-250PA
	0-300		2000-300PA
	0-500		2000-500PA
KPa	0-750		2000-750PA
	0-1		2000-1KPA
	0-1.5		2000-1.5KPA
	0-2		2000-2KPA
	0-3		2000-3KPA
	0-4		2000-4KPA
	0-5		2000-5KPA
	0-8		2000-8KPA
	0-10		2000-10KPA

Calibration - add

A-414 StSt Clean room termination - add

Magnehelic® enclosure - add

Accessories

Description	Part No.
Surface mounting bracket	A-299
Flat flush mounting bracket	A-300
Pipe mounting kit	A-610
Portable kit	A-432
Air filter kit	A-605

Minihelic® Differential Pressure Gauges 2-5000 Series

Features

• Accuracy: ±5% of full scale at 70°F (21.1°C)

• Temperature limits: 20°F to 120°F (-6.67°C to 48.9°C)

Minihelic® Gauges

Measurement Type	Range	Part No.
Pa Pascal	0-125	2-5000-125PA
	0-250	2-5000-250PA
	0-500	2-5000-500PA
	0-750	2-5000-750PA
KPa	0-1	2-5000-1KPA
	0-2	2-5000-3KPA
	0-3	2-5000-5KPA

Calibration - add

Accessories

Description	Part No.
Surface mounting bracket	A-497
Portable kit	A-434
Air filter kit	A-609



Magnesense® II Differential Pressure Transmitter

Used to monitor air pressure, air velocity and air flow, BACnet or Modbus communications.

Features

- Protection: IP66

Magnesense® Transmitters

in w.c.	Pa	mm w.c.	kPa	Part No.
0.10, 0.15, 0.25, 0.50	25, 40, 50, 125	2.5, 4, 6, 10	0.025, 0.05, 0.05, 0.125	MS2-W101
±0.10, ±0.15, ±0.25, ±0.50	±25, ±40, ±50, ±125	±2.5, ±4, ±6, ±10	±0.025, ±0.05, ±0.05, ±0.125	MS2-W111
1, 2, 3, 5	250, 500, 750, 1250	25, 50, 75, 125	0.25, 0.5, 0.75, 1.25	MS2-W102
±1, ±2, ±3, ±5	±250, ±500, ±750, ±1250	25, 50, 75, 125	0.25, 0.5, 0.75, 1.25	
10, 15, 25, 28	2500, 3500, 5000, 6975	250, 350, 500, 697.5	2.5, 3.5, 5.0, 6.975	MS2-W103
±10, ±15, ±25, ±28	±2500, ±3500, ±5000, ±6975	±250, ±350, ±500, ±697.5	±2.5, ±3.5, ±5.0, ±6.975	

For duct mount static probe change W to D, example: MS2-D101. For DIN rail mounting change W to N, example: MS2-N101

Magnehelic® Indicating Transmitter 605 Series

Used for visual monitoring and electronic control of low differential pressure.

Magnehelic® Transmitters

Measurement Type	Selectable Range	Accuracy	Part No.
WG	0 - 6.0	+/-0.5% Mech. +/-0.2%	605-6
	0 - 10	+/-0.5% Mech. +/-0.2%	605-10
	0 - 50	+/-0.5% Mech. +/-0.2%	605-50
Pa Pascals	0 - 60	+/-0.2% Mech. +/-0.2%	605-60PA
	0 - 125	+/-0.2% Mech. +/-0.2%	605-125PA
	0 - 250	+/-0.2% Mech. +/-0.2%	605-250PA
kPa Kilopascals	0 - 500	+/-0.5% Mech. +/-0.2%	605-500PA
	0 - 1.5	+/-0.5% Mech. +/-0.2%	605-1.5KPA

Photohelic® 3000 MR Series

For use with BMS systems.

Photohelic® Gauges

Measurement Type	Selectable Range	Part No.
Pa Pascals	0 - 60	3000 MR 60PA
	0 - 125	3000 MR 125PA
	0 - 250	3000 MR 250PA
	0 - 500	3000 MR 500PA

Digihelic® 3 Differential Pressure Controller

Three in one instrument; gauge, switch & transmitter. Square root output for flow.

Digihelic® Gauges

Range	Part No.	Range	Part No.
0 - 0.25 in w.c.	DH3-002	0 - 50 in w.c.	DH3-010*
0 - 0.5 in w.c.	DH3-003	0 - 100 in w.c.	DH3-011*
0 - 1 in w.c.	DH3-004	0.25 - 0-0.25 in w.c.	DH3-013*
0 - 2.5 in w.c.	DH3-005	0.5 - 0-0.5 in w.c.	DH3-014*
0 - 5 in w.c.	DH3-006	1 - 0-1 in w.c.	DH3-015*
0 - 10 in w.c.	DH3-007	2.5 - 0-2.5 in w.c.	DH3-016*
0 - 25 in w.c.	DH3-009	5 - 0-5 in w.c.	DH3-017*
		10 - 0-10 in w.c.	DH3-018*

*Velocity and volumetric flow not available on bi-directional range units and models DH-010 and DH3-011.

Accessories

Description	Part No.
Silver RS-232 to RS-485 converter with DB9F connector	351-9-N
Silver RS-232 to RS-485 converter with DB9F connector, includes 120V AC to 12V DC adaptor	351-9
Digihelic® controller surface mounting bracket	A-266
1/8" I.D. x 1/4" O.D. PVC tubing (per foot)	A-203
Digihelic® communication software	DIGIHELLIC LINKS

Differential Pressure Gauges DM-2000 Series

Specification

- Accuracy: ±1% F.S. at 70°F.
- Temperature limits: 20°F to 120°F (-6.67°C to 48.9°C).

DM-2000 Series

Range	Part No.
0 - 0.25" w.c.	DM-2002
0 - 0.5" w.c.	DM-2003
0.25 - 0-0.25" w.c.	DM-2012
0.5-0 - 0.5" w.c.	DM-2013

Dwyer®

