

WHEN PRECISION SAVES ENERGY AND LIVES

MAKE SURE IT IS SONTAY



RELATIVE HUMIDITY



POWER MONITORING



AIR QUALITY & GAS DETECTION



WATER LEAK DETECTION



TEMPERATURE



SMART SENSORS



AIR FLOW



LIGHT LEVEL & OCCUPANCY

PRESSURE

BENEFITS

SAFETY & HEALTH

Maintain clean and pressurised environments · Temperature stability for infection control ·



EFFICIENCY

· Smart monitoring manages high energy demands · Maintains air purity and comfort

PRECISION

Consistent airflow and humidity control · Minimal tolerance for deviation ·



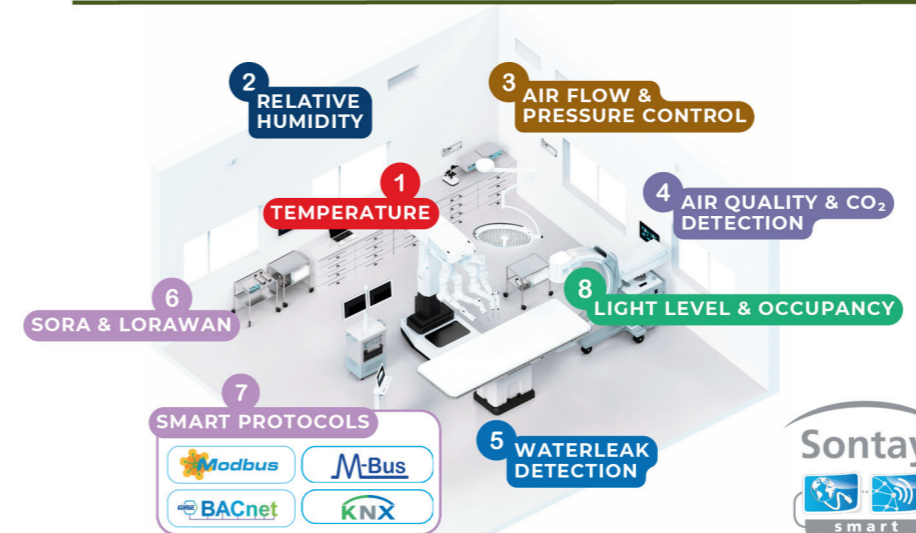
COMPLIANCE

· Meet NHS and HTM ventilation standards · Use trusted, calibrated Sontay sensors

Hospitals & Healthcare Environments

Smart sensing for safety, hygiene, and comfort.

SCAN HERE



In healthcare environments, every breath of air and every degree of temperature matter.

Sontay's sensing solutions support reliable HVAC control, air purity, and comfort, helping hospitals and healthcare facilities maintain safety, energy efficiency, and compliance with strict environmental standards.

Hospitals and healthcare facilities rely on precise environmental control to protect patients, staff, and equipment. Sontay's smart and traditional sensors enable reliable monitoring of air pressure, humidity, temperature, and air quality, ensuring compliance and supporting optimal healing environments.

From isolation rooms to operating theatres, our sensing solutions help maintain stable conditions, improve energy efficiency, and support smart integration with BMS and IoT systems.

	Product Code	Applications	
1	TT	Temperature Monitoring	
2	RH	Humidity Monitoring	
3	AV / PA	Air Flow & Pressure Control	
4	GS-CO2 / AQ	Air Quality & CO ₂ Detection	
5	WD	Water Leak Detection	
6	RF	SORA & LoRaWAN	
7	SC	Smart Communication Protocols	
8	LL / OC	Light Level & Occupancy Sensing	



AIR PRESSURE & FLOW CONTROL

Monitor room pressure to prevent cross-contamination and protect patients.



TEMPERATURE & HUMIDITY CONTROL

Precise control supports comfort, compliance, and energy efficiency.



AIR QUALITY & OCCUPANCY

CO₂ and occupancy sensing ensure ventilation only when needed.

PA-699 Multi-range Air DP Sensor



DUCT FIXING KIT

SPECIFICATION

Accuracy	±1.0max
Ambient Range	0 to 70°C
Current power supply	11 to 33 vdc
Diaphragm	Silicone
Housing	Polycarbonate PC
Protection	IP65
Rupture pressure	2 x overload at ambient temp.
Thermal effect	±0.02 TC zero point, ±0.03 TC Sensitivity
Voltage power supply	13.5 to 33Vdc or 24Vac ±15%
Weight	92g

FEATURES

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

The PA-699 range of differential pressure transmitters incorporates a proved ceramic fulcrum lever technology for pressure measurement. They deliver calibrated, temperature-compensated sensor signals, available as standard voltage or current outputs. They are ideal for registering low air flow in air conditioning systems and for the measurement of fine pressures in environmental, laboratory and clean room application (air and non-corrosive gases). The PA-699 has three field selectable ranges in one unit, providing versatility for a multitude of applications.

Part code	Description
PA-699-01	±30, ±50 & ±100Pa, 4-20mA Multi Range, Bi-directional
PA-699-02	0 to 30, 50, 100Pa, 4-20mA Multi Range
PA-699-04	0 to 100, 300, 500Pa, 4-20mA Multi Range
PA-699-06	0 to 500, 1000, 1600Pa, 4-20mA Multi Range
PA-699-08	0 to 1600, 2500, 5000Pa, 4-20mA Multi Range
Suffix (add to above part code)	
-V	0-10V voltage output
-LCD	Integral LCD option

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

Part code	Description
Accessories	
TEE	Tee Piece Air Pressure (Pack of 10)
PITOT	Aluminium pitot tubes (pair)
DFK	Duct fixing kit (supplied with the sensor, 2m of 5mm i/d plastic tubing, 2 x pitot tubes, 4 x fixing screws)
PA-TUBE-CLEAR	PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-RED	Red PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-BLUE	Blue PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-S	Static Pressure Probe
PA-699-CAL *	Calibration certificate

PA-DPT 3 Wire Multi-Range Air Differential Pressure Transmitter, 3-wire



DUCT FIXING KIT

SPECIFICATION

Accuracy	1.5%AP + ±2Pa
Environmental operating temp	-20 to +50°C
Environmental storage	-20 to 60°C 0 to 95% non-condensing
Housing Dimensions	125 x 105 x 85mm
Housing Material	PC (Halogen free, flame retardant ad UV stabilised)
Long Term Stability	0... ±8Pa (typical 1 year)
Measuring Element	MEMS
Output accuracy (mA)	±0.04mA typical, at 25°C, load 100Ω
Overpressure	Proof pressure 25kPa Burst pressure 30kPa
Power Supply	24Vac/dc ±10%
Pressure connection	5mm ID tubing
Protection	IP65
Response Time	8.0 or 0.8s selectable
Weight	240g

FEATURES

- User selectable measurement range and output type
- IP65 Housing
- Duct fixing kit included
- Re-zero facility

Part code	Description
PA-DPT-01	Air DP Sensor 1.5% Acc 0-25/50/100/150/250/300/500&±50Pa
PA-DPT-01-HA	Air DP Sensor 1% Acc 0-25/50/100/150/250/300/500&±50Pa
PA-DPT-02	Air DP Sensor 1.5% Acc 0-125/250/500/750/1250/1500/2500&±250Pa

Part code	Description
Suffix (add to above part code)	
-LCD	Integral LCD display
Accessories	
TEE	Tee Piece Air Pressure (Pack of 10)
PITOT	Aluminium pitot tubes (pair)
DFK	Duct fixing kit (supplied with the sensor, 2m of 5mm i/d plastic tubing, 2 x pitot tubes, 4 x fixing screws)
PA-TUBE-CLEAR	PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-RED	Red PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-BLUE	Blue PVC tube 8mm o/d x 1.5mm wall, 30m reel

PA-985 Multi-range Air DP Sensor



SPECIFICATION

Measuring Method	Piezoresistive pressure transducer
Supply Voltage	18 to 30Vac/dc 50-60Hz
Load for 0-10V output	≥ 1kΩ (≤ 10 mA)
Load for 4-20mA output	20 ... 500 Ω
Max current draw	25 / 110 mA, 50 / 170 mA (LCD)
Outputs	0-10V 4-20mA. non-switching
Pressure range 1	-50 to 50Pa -100 to 100Pa -500 to 500Pa, -1000 to 1000 0 to 100Pa 0 to 250Pa 0 to, 500Pa 0 to 1kPa 0 to 5kPa 0 to 25kPa 0 to 50kPa
Pressure range 2	0 to 250Pa 0 to 500Pa, 0 to 1000Pa, 0 to 2.5kPa, 0 to 10kPa, 0 to 50kPa, 0 to 100kPa
Overpressure	60kPa - 200kPa
Burst Pressure	100kPa - 400kPa
Linearity	<±0.5 FS, min ±1Pa
Long Term Stability	<±1% FS
Pressure medium	Air and non-combustible and non-aggressive gases
Pressure connections	Hose connection 6mm
Electrical connections	Plug-in terminals for wires & strands up to 1.5 mm ²
Environment temperature	-20 to 70°C -10 to 50°C (Auto zero)
Environmental humidity	0 to 95 % relative humidity non-condensing
Housing Material	ABS
IP Rating	IP65
Dimensions	81 x 83 x 41mm
Weight	125g
Suffix	-V (0-10V) -LCD

The differential pressure transmitters of the 985 series are used to measure differential pressure, overpressure and vacuum. They provide up to 8 pressure ranges and 2 output signals, which are easily selectable by jumper or rotary selector switch.

WHY ENGINEERS CHOOSE PA-985

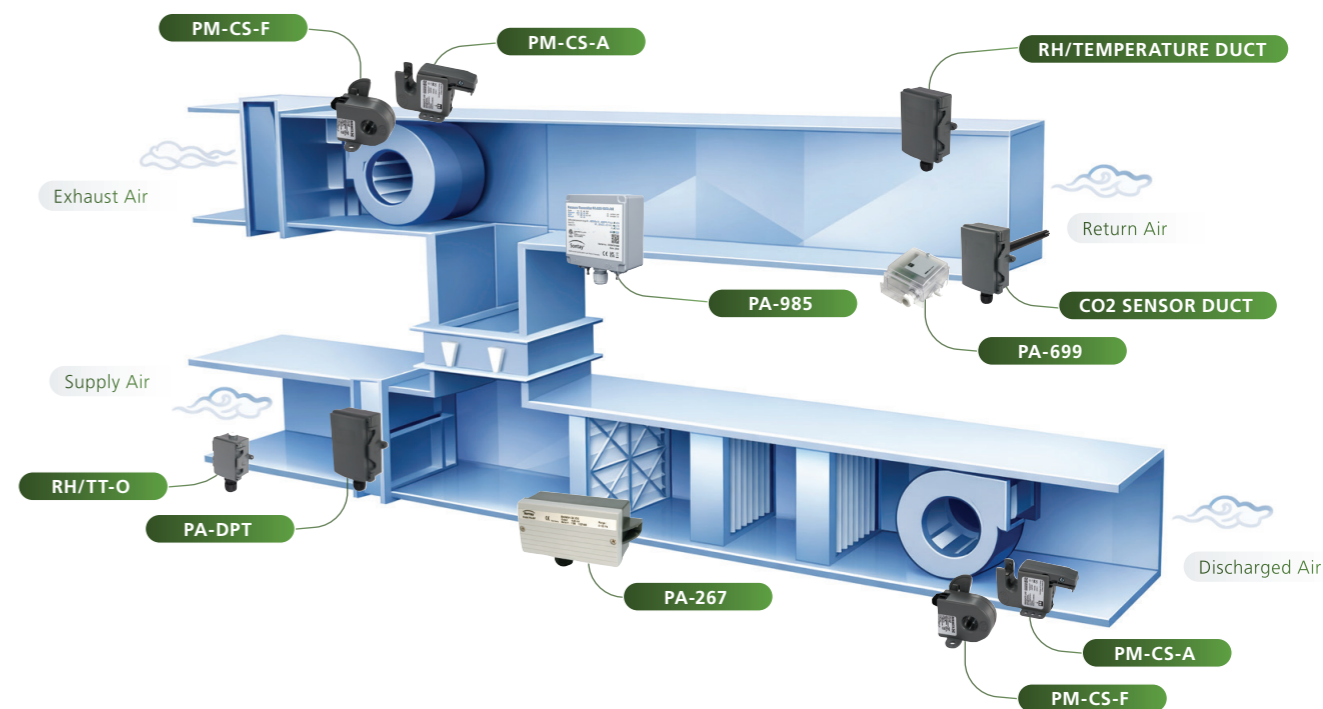
With field-selectable pressure modes and outputs, easy offset calibration, and a robust IP65 enclosure, the PA-985 is built for flexible installation and reliable long-term operation, even in demanding environments.

WHERE IT'S USED

- Hospitals & isolation rooms: Ensuring correct pressure differentials to prevent cross-contamination
- Clean rooms & laboratories: Maintaining controlled airflow to protect people, products, and processes
- Ventilation & AHU monitoring: Verifying airflow performance across ducts and filters
- Building automation systems: Supporting energy-efficient control of HVAC systems

FEATURES

- Configurable pressure ranges
- Output signal selection
- Piezoresistive Measuring element
- Optional switched output and display
- Can perform automated zero offset compensation



Data sheets online: www.sontay.com

Data sheets online: www.sontay.com

PA-DPT 2 wire Multi-Range Air Differential Pressure Transmitter, 2-wire



The PA-DPT differential pressure transmitter is 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). Featuring a 2-wire 4-20mA output signal and 8 pressure ranges, unidirectional or bi-directional via jumpers. An optional LCD display is also available.

FEATURES

- User selectable measurement range
- 2-wire Loop powered 4-20mA output
- IP65 Housing
- Duct fixing kit included
- Manual Re-zero

Part code	Description
PA-DPT-04	Air DP sensor, 0 - 25/50/100/150/250/300/500Pa & ±50Pa
PA-DPT-05	Air DP sensor, 0 - 125/250/500/750/1250/1500/2500Pa & ±250Pa
Suffix (add to above part code)	
-LCD	Integral LCD display
-S	Static Pressure Probe

SPECIFICATION

Accuracy	1.5% AP + ±2Pa Ap = Applied Pressure
Conformity	EMC, CE & UKCA Marked
Country of origin	UK
Electrical connections	Terminals to suit 0.2-1.5mm ² cables
Environmental humidity	0 to 95% non-condensing
Environmental operating temp	0 to +50°C
Environmental storage	-20 to 60°C
Housing Dimensions	125 x 105 x 85mm
Housing Material	PC (Halogen free, flame retardant & UV stabilized)
Long Term Stability	0... ±8Pa (typical 1 year)
Measuring Element	MEMS, no flow though
Output accuracy (mA)	±0.04mA typical, at 25°C, load 100Ω
Overpressure	Proof pressure 25kPa, Burst pressure 30kPa
Power Supply	24Vc ±10% (2-wire)
Pressure connection	5mm ID tubing

Part code	Description
Accessories	
TEE	Tee Piece Air Pressure (Pack of 10)
PITOT	Aluminium pitot tubes (pair)
DFK	Duct fixing kit (supplied with the sensor, 2m of 5mm i/d plastic tubing, 2 x pitot tubes, 4 x fixing screws)
PA-TUBE-CLEAR	PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-RED	Red PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-BLUE	Blue PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-699-CAL *	Calibration certificate

PA-267 Air DP Sensors



The PA-267 is designed for overpressure, under pressure, and differential pressure measurements of air and other neutral gases. It is recommended that for applications where control is involved, the high accuracy version is used. The measurement cell uses an advanced design of capacitive element to ensure excellent linearity and zero stability. The differential pressure to be measured induces a movement of the stainless steel diaphragm which is converted to an electronic output signal by a capacitance measurement and a unique electronic circuit.

FEATURES

- User selectable measurement range
- 2-wire Loop powered 4-20mA output
- IP65 Housing
- Duct fixing kit included
- Manual Re-zero

Part code	Description
PA-267-25	0 to 25Pa 4-20mA Transmitter
PA-267-50	0 to 50Pa 4-20mA Transmitter
PA-267-100	0 to 100Pa 4-20mA Transmitter
PA-267-300	0 to 300Pa 4-20mA Transmitter
PA-267-500	0 to 500Pa 4-20mA Transmitter
PA-267-1000	0 to 1000Pa 4-20mA Transmitter
PA-267-1600	0 to 1600Pa 4-20mA Transmitter
PA-267-2500	0 to 2500Pa 4-20mA Transmitter
PA-267-3000	0 to 3000Pa 4-20mA Transmitter

SPECIFICATION

Current Output	4-20mA, Load: 100 to 800Ω
Current power supply max	30Vdc + (0.004 x load resistance)
Current power supply min	9Vdc + (0.02 x load resistance)
Diaphragm	Stainless Steel 304 s/s
High accuracy	±0.40% fsd
Housing	Glass-filled Polycarbonate to UL94V-0
Operating Temperature	-18 to +65°C
Over pressure	68kPa
Pressure connection	Push fit for 6mm i/d tube
Protection	IP65
Standard accuracy	±0.1% fsd
Voltage Output	0-10Vdc (o/p impedance <100kΩ)
Voltage power supply	9-30 Vac or 12-40Vdc

Part code	Description
Suffixes (add to above part code)	
-V	0-10V voltage output
-B	Bi-directional
-AH	High accuracy
-LCD *	Integral LCD display
Accessories	
TEE	Tee Piece Air Pressure (Pack of 10)
PITOT	Aluminium pitot tubes (pair)
DFK	Duct fixing kit (supplied with the sensor, 2m of 5mm i/d plastic tubing, 2 x pitot tubes, 4 x fixing screws)
PA-TUBE-CLEAR	PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-RED	Red PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-BLUE	Blue PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-BRK	DIN-rail bracket

Data sheets online: www.sontay.com

PA-DPS Air DP Switch



These are highly sensitive air differential pressure switches. Suitable for providing an indication of fan status and 'dirty filter' conditions. The switching setpoint is adjustable 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

Part code	Description
IP54 Housing	
PA-DPS-83	50 to 500Pa DP switch
PA-DPS-85	200 to 1000Pa DP switch
PA-DPS-88	20 to 300Pa DP switch
PA-DPS-90	Air DP Switch 20-300Pa
PA-DPS-91	Air DP Switch 50-500pa
PA-DPS-92	Air DP Switch 100-1000pa
Accessories	
PA-DPS-B	Right Angled Mount Bracket (PA-DPS-8x only)

SPECIFICATION

Ambient relative humidity	0 to 95% RH non-condensing
Ambient Temperature Range	-20 to +85°C
Electrical rating (IP54)	1.5A (0.4)/250Vac AgCdO contacts
Electrical rating (IP65)	5A (0.4)/250Vac AgCdO contacts
Housing Material	Plastic moulding
IP54 Dimensions	85mm dia x 59mm
IP65 Dimensions	
Max operating pressure	5000Pa
Operating Range	50 to 500Pa
Pressure connection	6mm i/d push-on tubing
Protection	IP54
Weight	250g

Part code	Description
IP65 Housing	
PA-DPS-90W	20 to 300Pa DP Switch
PA-DPS-91W	50 to 500Pa DP Switch
PA-DPS-92W	100 to 1000Pa DP Switch
PA-DPS-94W	500 to 2000Pa DP Switch
Accessories	
TEE	Tee Piece Air Pressure (Pack of 10)
PITOT	Aluminium pitot tubes (pair)
DFK	Duct fixing kit (supplied with the sensor, 2m of 5mm i/d plastic tubing, 2 x pitot tubes, 4 x fixing screws)
PA-TUBE-CLEAR	PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-RED	Red PVC tube 8mm o/d x 1.5mm wall, 30m reel
PA-TUBE-BLUE	Blue PVC tube 8mm o/d x 1.5mm wall, 30m reel

PL-PSA Liquid Pressure Switch



The PL-PSA series of liquid pressure switches are suitable for the monitoring of flow failure in pumps, chillers, valves etc. Adjustable set point with adjustable differential. The PL-PSA range has a dial to show the liquid pressure. It is not recommended that this dial be used for accurate setting of the switch position.

FEATURES

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

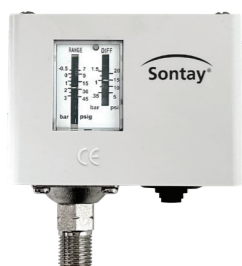
SPECIFICATION

Ambient Temperature Range	-50 to +70°C
Differential	0.25 to 2 bar
Pressure connection	¼" BSP male
Protection	IP44
Range	-0.75 to +3 bar
Switch rating	230Vac @ 24(10)A
Weight	346g

Part code	Description
PL-PSA-1	-0.75 to +3 Bar
PL-PSA-2	-0.8 to +1.5 Bar
PL-PSA-3	-0.5 to +7 Bar
Accessories	
PL-PIG	2m of 6mm copper tubing + fitting
BRK	Bracket for PL-PSAx

Data sheets online: www.sontay.com

PL-EPSA Economy Liquid Pressure Switch



SPECIFICATION

Ambient Temperature Range	-20 to +65°C
Differential	0.7 to 4 bar
Dimension	83.5 x 90 x 44mm
Liquid temperature	-40 to +70°C
Pressure connection	1/4" BSP Male
Protection	IP44
Switch rating	8A @ 230Vac
Weight	400g



The PL-EPSA series of liquid pressure switches are suitable for the monitoring of flow failure in pumps, chillers, valves etc. Adjustable set point with adjustable differential. The PL-EPSA range has a dial to show the liquid pressure. It is not recommended that this dial be used for accurate setting of the switch position.

FEATURES

- Adjustable pressure range
- High rated SPDT contacts
- Shatter resistant contacts
- Captive terminal and cover screws

Part code	Description
PL-EPSA-1	Economy Liquid Pressure Switch -0.5 to 3 Bar
PL-EPSA-3	Economy Liquid Pressure Switch -0.2 to 7.5 Bar

PL-FD113 Liquid DP Switch



SPECIFICATION

Ambient Temperature Range	-10 to +70°C
Liquid temperature	70°C max.
Pipe connections	1/4" BSP female
Protection	IP30
Range	0.3 to 4.5 bar
Switch rating	3A @ 230Vac
Switching Differential	0.2 bar
Weight	800g



The PL-FD113 liquid differential pressure switch is suitable for the monitoring flow across pumps, chillers, valves etc. The set point is adjustable in the range 0.3 to 4.5bar, and is suitable for non-aggressive media such as water, air, oil, diesel, steam (with pig tail) etc. Approximate set point can be viewed on the dial at the front of the unit.

FEATURES

- Wide range and adjustable switching point
- Switches 24-240Vac/dc
- 1/4" BSP female connections
- Visible set point scale
- Single unit covers a wide pressure range

Part code	Description
PL-FD113	0.3 to 4.5 bar Liquid DP Switch
Accessories	
PL-FD113-PIG	Connection Kit

Note: The PL-FD113-PIG consist at 2m of 6mm copper tubing and 4 x compression fittings (1/4")

Data sheets online: www.sontay.com

PL-52x Static Pressure Sensors



SPECIFICATION

Ambient Temperature Range	-30 to +85°C
Dimensions	105 x 65mm
Gross Weight (kg)	0.18
Media temperature	-15 to +125°C
Output	4-20mA
Pressure connection	1/2" BSP male
Protection	IP65
Response time	<2ms. 1ms typical
Supply Voltage	10Vdc to 30Vdc
Weight	105g



The PL-525 static pressure sensors 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. PL-520 pressure sensor is based upon the thick film technology where the pressure cell is fully welded. This sensor meets the high burst protection demands and is suitable for a wide range of applications.

TECHNICAL SPECIFICATION

Supply Voltage	10Vdc to 30Vdc
Ambient Temperature Range	-30 to +85°C
Weight	105g
Output	4-20mA
Dimensions	105 x 65mm
Material	Pressure connections: S/S 1.4305/AISI 303, Sensor: Ceramic Al2O3 (96%), Sealing Material: FPM (Viton)

Part code	Description	Part code	Description
4-20mA Output (2-wire loop powered)		0-10Vdc Output	
PL-525-0.1	0 to 100 mbar	PL-525-0.1-V	0 to 100 mbar
PL-525-0.2	0 to 200 mbar	PL-525-0.2-V	0 to 200 mbar
PL-525-0.3	0 to 300 mbar	PL-525-0.3-V	0 to 300 mbar
PL-525-0.6	0 to 600 mbar	PL-525-0.6-V	0 to 600 mbar
PL-520-1	0 to 1 bar	PL-520-1-V	0 to 1 bar
PL-520-1.6	0 to 1.6 bar	PL-520-1.6-V	0 to 1.6 bar
PL-520-2.5	0 to 2.5 bar	PL-520-2.5-V	0 to 2.5 bar
PL-520-4	0 to 4 bar	PL-520-4-V	0 to 4 bar
PL-520-6	0 to 6 bar	PL-520-6-V	0 to 6 bar
PL-520-10	0 to 10 bar	PL-520-10-V	0 to 10 bar
PL-520-16	0 to 16 bar	PL-520-16-V	0 to 16 bar
PL-520-25	0 to 25 bar	PL-520-25-V	0 to 25 bar
PL-520-40	0 to 40 bar	PL-520-40-V	0 to 40 bar

FEATURES

- Wide range and adjustable switching point
- Switches 24-240Vac/dc
- 1/4" BSP female connections
- Visible set point scale
- Single unit covers a wide pressure range

Part code	Description
Accessories	
PL-HS	Pressure Transmitter Heat Sink
PL-520-CAL *	Calibration certificate
PL-525-CAL *	Calibration certificate

Notes:

1. Heat Sink PL-HS can be used where media has a higher temperature than the sensor allows.
2. * This option must be specified at the time of sensor order. It is built to order and not available ex-stock.

Data sheets online: www.sontay.com

PL-625 Static Pressure Switch



SPECIFICATION

Contact system	Changeover contact
Electrical rating	6A(3A) @ 250 Vac
Max. operating pressure	1½ x range
Max. test pressure	10 bar
Media	Water, Air and steam (with pigtail siphon)
Operating Range	-10 to +80°C
Pressure connection	¼" BSP male
Protection	IP54
Weight	260g

Part code	Description
PL-625-2.2	0.12 to 2.2 bar switch
PL-625-6	1 to 6 bar switch

The PL-625 range of pressure switches is suitable for use with liquids and gases. The unit has adjustable switching threshold. Reproducibility is ±10% of the switching point. The rugged mechanics are the assurance of high operating reliability, even in the presence of percussions or vibrations.

FEATURES

- Suitable for liquids and gases
- Robust construction
- Adjustable switching differences
- ¼" BSP connection
- Spade connectors and gland supplied

PL-630 Differential Pressure Switches



SPECIFICATION

Contact system	Changeover contact
Electrical rating	1A(0.5A) @ 250Vac
Max. operating pressure and overload on one side (P1>P2)	with range ≤ 200 mbar: 10bar, with range 0.15 to 5.5 bar: 20 bar
Media	Water, air and steam (with pigtail siphon)
Operating Range	-10 to +80°C
Pressure connection	1/8" BSP female
Protection	IP65
Weight	1.08kg

Part code	Description
PL-630-A-0.02	6 to 20 mbar Liquid DP switch
PL-630-A-0.06	15 to 60 mbar Liquid DP switch
PL-630-A-0.2	40 to 200 mbar Liquid DP switch
PL-630-A-1	0.15 to 1 bar Liquid DP switch
PL-630-A-3	1 to 3 bar Liquid DP switch
PL-630-A-5.5	2 to 5.5 bar Liquid DP switch
Accessories	
PL-630-PIG	Connection Kit

The PL-630-A range of differential pressure switches is suitable for use with liquids and gases. The unit has adjustable switching threshold. Reproducibility is ±10% of the switching point, but as a minimum ±0.8 mbar. The rugged mechanics are the assurance of high operating reliability, even in the presence of percussions or vibrations. Ideal for flow monitoring and proving applications in heating, ventilating and air-conditioning systems.

FEATURES

- Suitable for liquids and gases
- Robust construction
- Adjustable switching differences
- 1/8" BSP connection
- Spade connectors and gland supplied

PL-652 Low Range Differential Pressure Sensor



SPECIFICATION

Max. operating pressure overload on one side	10 bar (P1>P2)
Media	Water, air and steam (with pigtail siphon)
Operating Range	-10 to +80°C
Pressure connection	1/8" BSP female
Protection	IP65
Supply Voltage	20 to 30 Vdc
Weight	940g

Part code	Description
4-20mA Output	
PL-652-0.05	0 to 50 mbar Liquid DP Sensor
0-10Vdc Output	
PL-652-0.05-V	0 to 50 m bar Liquid DP Sensor
Accessories	
PL-652-CAL	Calibration certificate

The PL-652 range of differential pressure transmitters are suitable for use with liquids and non-aggressive gases. The pressure or pressure differential to be monitored acts on a diaphragm, which in turn acts against a spring. As a result of the pressure action and resultant diaphragm movement a permanent magnet fastened on the diaphragm moves in the direction of the hall sensor arranged outside the pressure case. The sensor and transmitter are housed in a robust brass casing, sealed for IP65 protection.

FEATURES

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

Notes:

A mounting bracket is supplied with the sensor.
* This option must be specified at the time of sensor order. It is built to order and not available ex-stock.

PL-692 Differential Pressure Sensor



SPECIFICATION

Media	Water, air and steam (with pigtail siphon)
Pressure connection	6mm compression
Protection	IP65
Response Time	<5ms
Supply Voltage	11 to 33Vdc
Temperature	Ambient & media -15 to +80°C
Weight	640g

Part code	Description
4-20mA Output (2-wire loop powered)	
PL-692-0.1	0 to 100mbar Liquid DP sensor
PL-692-0.2	0 to 200mbar Liquid DP sensor
PL-692-0.4	0 to 400mbar Liquid DP sensor
PL-692-1	0 to 1 bar Liquid DP sensor
PL-692-2.5	0 to 2.5 bar Liquid DP sensor
PL-692-4	0 to 4 bar Liquid DP sensor
PL-692-6	0 to 6 bar Liquid DP sensor
PL-692-10	0 to 10 bar Liquid DP sensor
PL-692-16	0 to 16 bar Liquid DP sensor
0-10Vdc Output	
PL-692-0.1-V	0 to 100mbar Liquid DP sensor
PL-692-0.2-V	0 to 200mbar Liquid DP sensor
PL-692-0.4-V	0 to 400mbar Liquid DP sensor
PL-692-1-V	0 to 1 bar Liquid DP sensor
PL-692-2.5-V	0 to 2.5 bar Liquid DP sensor
PL-692-4-V	0 to 4 bar Liquid DP sensor
PL-692-6-V	0 to 6 bar Liquid DP sensor
PL-692-10-V	0 to 10 bar Liquid DP sensor
PL-692-16-V	0 to 16 bar Liquid DP sensor
Accessories	
PL-692-CAL *	Calibration certificate

The PL-692 range of differential pressure transmitters is suitable for use with liquids and non-aggressive gases. With unique ceramic sensing technology for no mechanical aging and creepage. The sensor and transmitter are housed in a robust stainless steel casing with a 1.5 meter flying lead for electrical connection and sealed for IP65 protection.

FEATURES

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

Notes:

A mounting bracket is supplied with the sensor.
* This option must be specified at the time of sensor order. It is built to order and not available ex-stock.

Data sheets online: www.sontay.com

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