



Features & Benefits

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

Technical Overview

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.

General Information

Measuring Method	Piezoresistive pressure transducer
Supply Voltage	18 to 30Vac/dc 50-60Hz
Load for 0-10V output	$\geq 1k\Omega$ (≤ 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	$< \pm 0.5$ FS, min ± 1 Pa
Long Term Stability	$< \pm 1\%$ FS
Pressure medium	Air and non-combustible and non- aggressive gases
Pressure connections	Hose connection 6mm
Electrical connections	Plug-in terminals for wires and strands up to 1.5 mm ²
Environment temperature	-20 to 70°C -10 to 50°C (Auto zero)

Tel: +44 (0)1732 861200 | E-mail: sales@sontay.com | Web: www.sontay.com

Sontay Limited. Four Elms Road, Edenbridge, Kent, TN8 6AB UK

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

Related Product Codes

PA-985	Differential Pressure Transmitter for Air, IP65
PA-985-1000-AH	UL Air DP 1000pa 0.5%Lin. 4-20mA&0-10V
PA-985-1000-B-AH	UL Air DP Sensor +/-1000Pa 0.5%Acc & DFK
PA-985-100-AH	UL Air DP 100pa 0.5%Lin. 4-20mA&0-10V
PA-985-100-B-AH	UL Air DP Sensor +/-100Pa 0.5%Acc & DFK
PA-985-25000-AH	UL Air DP 25000pa 0.5%Lin. 4-20mA&0-10V
PA-985-250-AH	UL Air DP 250pa 0.5%Lin. 4-20mA&0-10V
PA-985-25-AH	UL Air DP 25pa 0.5%Lin. 4-20mA&0-10V
PA-985-50000-AH	UL Air DP 50000pa 0.5%Lin. 4-20mA&0-10V
PA-985-5000-AH	UL Air DP 5000pa 0.5%Lin. 4-20mA&0-10V
PA-985-500-AH	UL Air DP 500pa 0.5%Lin. 4-20mA&0-10V
PA-985-500-B-AH	UL Air DP Sensor +/-500Pa 0.5%Acc & DFK
PA-985-50-AH	UL Air DP 50pa 0.5%Lin. 4-20mA&0-10V
PA-985-50-B-AH	UL Air DP Sensor +/-50Pa 0.5%Acc & DFK
PA-985FV-10000-AH-LCD	UL Air Flow Velocity 10000Pa 0.5%Acc+LCD
PA-985FV-1000-AH-LCD	UL Air Flow Velocity 1000Pa 0.5%Acc+LCD
PA-985FV-100-AH-LCD	UL Air Flow Velocity 100Pa 0.5%Acc+LCD
PA-985FV-250-AH-LCD	UL Air Flow Velocity 250Pa 0.5%Acc+LCD
PA-985FV-5000-AH-LCD	UL Air Flow Velocity 5000Pa 0.5%Acc+LCD
PA-985FV-500-AH-LCD	UL Air Flow Velocity 500Pa 0.5%Acc+LCD
PA-985FV-50-AH-LCD	UL Air Flow Velocity 50Pa 0.5%Acc+LCD
PA-985VF-10000-AH-LCD	UL Air Volume Flow 10000Pa 0.5%Acc +LCD
PA-985VF-1000-AH-LCD	UL Air Volume Flow 1000Pa 0.5%Acc +LCD
PA-985VF-100-AH-LCD	UL Air Volume Flow 100Pa 0.5%Acc +LCD
PA-985VF-250-AH-LCD	UL Air Volume Flow 250Pa 0.5%Acc +LCD
PA-985VF-5000-AH-LCD	UL Air Volume Flow 5000Pa 0.5%Acc +LCD
PA-985VF-500-AH-LCD	UL Air Volume Flow 500Pa 0.5%Acc +LCD
PA-985VF-50-AH-LCD	UL Air Volume Flow 50Pa 0.5%Acc +LCD