

Pressure

Differential pressure switch, for air and non-corrosive gases



Differential pressure switch.

- Excellent long-term stability
- Easy to mount

Technical data	
Media	Air and non-corrosive gases
Max. overload pressure	5000 Pa
Relay contact data	5 A (0.8 A) 250 V AC
Ambient temperature	-20...+85°C
Protection class	IP54

Description	Working range	Type	Notes
Differential pressure switch	20...300 Pa	DTV200	
Differential pressure switch	50...500 Pa	DTV500	
Differential pressure switch	100...1000 Pa	DTV1000	
Differential pressure switch	500...2000 Pa	DTV2000	
Differential pressure switch	1000...5000 Pa	DTV5000	

Accessories	Type	Notes
2 m hose and two pressure outlets	ANS	

Differential pressure transmitter with display for air



Microprocessor controlled differential pressure transmitter for measuring air and neutral gases. DMD has 4 different measuring ranges in the same unit, 0...100 Pa, 0...300 Pa, 0...500 Pa, and 0...1000 Pa. The range is selected by means of buttons under the cover. Other functions are zero-point adjustment and electronic damping. Supplied with 2 m hose and two pressure outlets.

- Selectable measuring range
- Adjustable damping of measuring signal

Communication

DMD-LON is ready for connection to LonWorks network. DMD-LON has network variables corresponding to the LonMark guidelines.

Technical data	
Supply voltage	24 V AC or DC, 5 VA
Output	0...10 V DC or 4...20 mA, selectable
Working range	0...100 Pa, 0...300 Pa, 0...500 Pa and 0...1000 Pa, selectable
Accuracy	Better than ±1% at 20°C
Electronic damping	0...20 s
Display	LED, 3 digits
Protection class	IP54

Description	Type	Notes
Differential pressure transmitter with display	DMD	
Differential pressure transmitter with display and LonWorks	DMD-LON	

Pressure controller with display



A complete micro-processor controlled pressure controller with sensor and controller for controlling dampers, frequency convertors, VAV systems, gases etc. DMD-C has 4 different measuring ranges in the same unit, 0...100 Pa, 0...300 Pa, 0...500 Pa, and 0...1000 Pa. The range is selected by means of buttons under the cover. Supplied complete with 2 m hose and 2 pressure outlets.

- Selectable measuring range
- Adjustable damping of measuring signal

Technical data	
Supply voltage	24 V AC or DC, 5 VA
Output (pressure)	0...10 V DC or 4...20 mA
Output (controller)	0...10 V DC
Working range	0...100 Pa, 0...300 Pa, 0...500 Pa and 0...1000 Pa, selectable
Accuracy	+/-1% at 20°C
P-band	0...300%
I-time	0...999 s
D-factor	0...999
Electronic damping	0...20 s
Display	LED, 3 digits
Mounting	Wall-mounting
Protection class	IP54

Description	Type	Notes
Pressure controller with display	DMD-C	

Differential pressure transmitter for air and non-corrosive gases



Differential pressure transmitter for air and non-corrosive gases.

- High level of accuracy and stability
- Quick and easy mounting

Technical data	
Supply voltage	24 V AC (24 V DC, 2-wire for 4...20 mA), 0.24 VA
Accuracy	+/-1% fs
Ambient temperature	0...70°C
Protection class	IP54

Description	Working range	Output signal	Type	Notes
Differential pressure transmitter	-50...+50 Pa	0...10 V DC	DTL05/05	
Differential pressure transmitter	-50...+50 Pa	4...20 mA	DTL05/05-420	
Differential pressure transmitter	0...100 Pa	0...10 V DC	DTL1	
Differential pressure transmitter	0...100 Pa	4...20 mA	DTL1-420	
Differential pressure transmitter	0...300 Pa	0...10 V DC	DTL3	
Differential pressure transmitter	0...300 Pa	4...20 mA	DTL3-420	
Differential pressure transmitter	0...500 Pa	0...10 V DC	DTL5	
Differential pressure transmitter	0...500 Pa	4...20 mA	DTL5-420	
Differential pressure transmitter	0...1000 Pa	0...10 V DC	DTL10	
Differential pressure transmitter	0...1000 Pa	4...20 mA	DTL10-420	
Differential pressure transmitter	0...1600 Pa	0...10 V DC	DTL16	
Differential pressure transmitter	0...1600 Pa	4...20 mA	DTL16-420	
Differential pressure transmitter	0...2500 Pa	0...10 V DC	DTL25	
Differential pressure transmitter	0...2500 Pa	4...20 mA	DTL25-420	
Differential pressure transmitter	0...5000 Pa	0...10 V DC	DTL50	
Differential pressure transmitter	0...5000 Pa	4...20 mA	DTL50-420	
Transmitter (all types above) in display version (LCD). N.B. Not in stock	see type	see type	DTL...-D	

Accessories		Type	Notes
2 m hose and two pressure outlets		ANS	
Calibration certificate	DTL-series can be ordered with calibration certificate. For constructions with higher calibration demands.	CCERT-H	

Differential pressure transmitter for liquids and gases



Differential pressure transmitter for measuring liquids (also glycol blended) and gases (not ammonia). The measuring element is made of a ceramic material that gives good stability and measuring accuracy.

- Excellent long-term stability
- Wide range

Technical data	
Supply voltage	24 V AC / 18...33 V DC (output 0...10 V DC), 0.1 VA 11...33 V DC, 2-wire (output 4...20 mA), 0.5 VA
Output	0...10 V DC or 4...20 mA (two-wire)
Accuracy	+/-1,3% fs (DTK10...DTK250) +/-0,8% fs (DTK400) +/-0,5% fs (DTK600...DTK2500)
Ambient temperature	-15...+80°C
Connection	Screw fitting for pipe Ø 6 mm included
Protection class	IP65

Description	Working range	Output signal	Max overload (one side)	Type	Notes
Differential pressure transmitter	0...10 kPa	0...10 V DC	60 kPa	DTK10	
Differential pressure transmitter	0...10 kPa	4...20 mA	60 kPa	DTK10-420	
Differential pressure transmitter	0...20 kPa	0...10 V DC	120 kPa	DTK20	
Differential pressure transmitter	0...20 kPa	4...20 mA	120 kPa	DTK20-420	
Differential pressure transmitter	0...40 kPa	0...10 V DC	200 kPa	DTK40	
Differential pressure transmitter	0...40 kPa	4...20 mA	200 kPa	DTK40-420	
Differential pressure transmitter	0...100 kPa	0...10 V DC	500 kPa	DTK100	
Differential pressure transmitter	0...100 kPa	4...20 mA	500 kPa	DTK100-420	
Differential pressure transmitter	0...250 kPa	0...10 V DC	1200 kPa	DTK250	
Differential pressure transmitter	0...250 kPa	4...20 mA	1200 kPa	DTK250-420	
Differential pressure transmitter	0...400 kPa	0...10 V DC	1200 kPa	DTK400	
Differential pressure transmitter	0...400 kPa	4...20 mA	1200 kPa	DTK400-420	
Differential pressure transmitter	0...600 kPa	0...10 V DC	1200 kPa	DTK600	
Differential pressure transmitter	0...600 kPa	4...20 mA	1200 kPa	DTK600-420	
Differential pressure transmitter	0...1000 kPa	0...10 V DC	2000 kPa	DTK1000	
Differential pressure transmitter	0...1000 kPa	4...20 mA	2000 kPa	DTK1000-420	
Differential pressure transmitter	0...1600 kPa	0...10 V DC	3200 kPa	DTK1600	
Differential pressure transmitter	0...1600 kPa	4...20 mA	3200 kPa	DTK1600-420	
Differential pressure transmitter	0...2500 kPa	0...10 V DC	5000 kPa	DTK2500	
Differential pressure transmitter	0...2500 kPa	4...20 mA	5000 kPa	DTK2500-420	

Accessories	Type	Notes
Nipple (R=1/8 27NPT") for connection of Ø 6 mm copper pipe (2 pieces/pack)	DTK-Nippel	
Copper pipe Ø 6 mm, length 30 cm	DTK-R	

Pressure transmitter for liquids and gases



Pressure transmitter for liquids (also glycol blended) and gases (not ammonia).
Can also be delivered with other specifications, for example with absolute pressure. For more information see our product sheet.

- Excellent long-term stability
- Extremely low temperature dependency

Technical data	
Supply voltage	24 V AC / 18...33 V DC (output 0...10 V DC), 0.1 VA 11...33 V DC, 2-wire (output 4...20 mA), 0.5 VA
Output	0...10 V DC or 4...20 mA (two-wire)
Accuracy	+/- 0.3%
Connection	R1/4"
Sealing	EPDM
Media temperature range	-15...+80°C *
Protection class	IP65

Description	Working range	Output	Type	Notes
Pressure transmitter	0...100 kPa	0...10 V DC	TTK1	
Pressure transmitter	0...100 kPa	4...20 mA	TTK1-420	
Pressure transmitter	0...200 kPa	0...10 V DC	TTK2	
Pressure transmitter	0...200 kPa	4...20 mA	TTK2-420	
Pressure transmitter	0...500 kPa	0...10 V DC	TTK5	
Pressure transmitter	0...500 kPa	4...20 mA	TTK5-420	
Pressure transmitter	0...1000 kPa	0...10 V DC	TTK10	
Pressure transmitter	0...1000 kPa	4...20 mA	TTK10-420	
Pressure transmitter	0...1600 kPa	0...10 V DC	TTK16	
Pressure transmitter	0...1600 kPa	4...20 mA	TTK16-420	
Pressure transmitter	0...2500 kPa	0...10 V DC	TTK25	
Pressure transmitter	0...2500 kPa	4...20 mA	TTK25-420	
Pressure transmitter	0...4000 kPa	0...10 V DC	TTK40	
Pressure transmitter	0...4000 kPa	4...20 mA	TTK40-420	
Pressure transmitter	0...10 MPa	0...10 V DC	TTK100	
Pressure transmitter	0...10 MPa	4...20 mA	TTK100-420	

Accessories	Type	Notes
* Mounting spacer which lowers the temperature at higher media temperatures than the sensor can handle.	105074	
Adapter for transforming 1/4" to 1/2"	ADAPTER	