

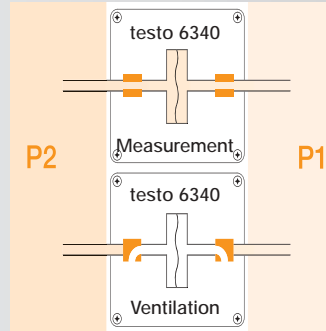
## testo 6340: Differential pressure transmitter



testo 6341:  
0 to 10 Pa, with automatic zero point adjustment, without display



In filling processes, positive pressures must prevent the inflow from contaminated surrounding areas.



Zero point stability plays a particularly important role at lowest pressures (10 Pa or 50 Pa measurement range). While conventional  $\Delta P$  transmitters require frequent

recalibration, the testo 6341/6343 is equipped with **automatic zero point adjustment**. The solenoid valves vent both sides of the pressure measurement cell in an hourly cycle (or every 20 minutes when started up). Consequently, the microprocessor automatically corrects the zero signal – highest stability and **up to 200 times overload resistance** result!



testo 6342:  
0 to 50 Pa, without display



testo 6343:  
0 to 10 Pa, with automatic zero adjustment, with display



testo 6344:  
0 to 50 Pa, with display

Ordering data	Part no.
testo 6341 $\Delta P$ transmitter 0 to 10 Pa, automatic zeroing, without display	0555 6341
testo 6342 $\Delta P$ transmitter 0 to 50 Pa, without display	0555 6342
testo 6343 $\Delta P$ transmitter 0 to 10 Pa, automatic zeroing, with display	0555 6343
testo 6344 $\Delta P$ transmitter 0 to 50 Pa, with display	0555 6344
ISO calibration with 5 points (0/25/50/75/100/0 % of full scale value)	0520 0005
ISO calibration at freely selectable points	0520 0105
5 metre silicone hose, 4 mm inner diameter, 1.5 mm wall thickness Max. load 700 hPa (mbar)	0554 0440
External testo 54 – 2 AC display, 2 relay outputs (up to 300 VAC, 3 A), 230 VAC	5400 7553
Power supply unit (desk-top) 90 to 264VAC/24VDC (350mA)	0554 1748
Power supply unit (DIN rail mounting) 90 to 264VAC/24VDC (3A)	0554 1749

Technical data		
Model	testo 6341/6343	testo 6342/6344
Display	only with testo 6343	only with testo 6344
Meas. range	0 to 10 Pa (= 0,1 mbar/0,04 inch H <sub>2</sub> O)	0 to 50 Pa (= 0,5 mbar/0,2 inch H <sub>2</sub> O)
Measurement ranges on	Randomly at intervals -100 kPa to +100 kPa	Randomly at intervals -100 kPa to +100 kPa
Useful measurement range	-5% to +110 % of fsv	-5% to +105 % of fsv
Measuring medium	Air, non-aggressive gases	Air, non-aggressive gases
Housing (ABS plastic)	6341: 120 x 122 x 85 mm 6343: 120 x 122 x 105 mm	6342: 80 x 120 x 73 mm 6344: 120 x 122 x 75 mm
Overload capacity	200 times/from 200 mbar: 2 bar	10 times/from dP $\geq$ 200 mbar: 2 bar
Measurement inaccuracy	0.35 Pa + 0.5% of fsv (0.3 Pa = meas. inaccuracy of reference)	0.35 Pa + 0.6% of fsv (0.3 Pa = meas. inaccuracy of reference)
Zero point drift	None (automatic zero point adjustment)	0.5 % of full scale value/year
Hysteresis	0.1% of fsv	0.1% of fsv
Power supply	24 VDC (20.5 to 28.5 VDC)	24 VDC (20.5 to 28.5 VDC)
Output variable	Linear to differential pressure	Linear to differential pressure
Output signal	4 to 20 mA (load max. 500 Ohm) 0 to 20 mA/0 to 10 V can be adjusted; RS232 on request	4 to 20 mA (load max. 500 Ohm)
Time constants (smoothing)	0/1/2.5/5/10/20/30/40 s can be adjusted	Can be set by factory if required
Oper. temp.	0 to +60 °C	0 to +60 °C
Storage temp.	-10 to +70 °C	-10 to +70 °C
Protection class	IP54 standard (plastic housing) IP65 on request (metal housing)	IP54 Standard (plastic housing)
Cable screw connections	2 x PG9	2 x PG7
Pressure connections	2 x d 6.5 for hoses $\varnothing$ 4 or 5 mm	2 x d 6.5 for hoses $\varnothing$ 4 or 5 mm
Weight	1500 g	6342: 300 g , 6344: 800 g