

INDUSTRIAL PRESSURE TRANSMITTER WITHOUT MEDIA ISOLATION

Pressure ranges 0...10 mbar up to 0...1000 mbar
Accuracy 0,35%



DRUCK & TEMPERATUR

The pressure transmitter was designed to measure very small overpressures and for vacuum applications.

Non-aggressive, dry gases and non-aggressive, low-viscosity oils are suitable as measuring media.

Applications

Mechanical and plant engineering
Heating
Air condition

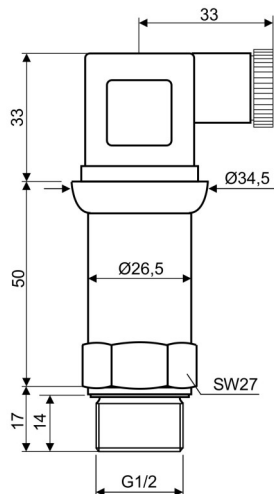


Type	3390						3395						Options
Pressure ranges	0...10 mbar up to 0...1000 bar												Vacuum range
Input pressure range													
Nominal pressure	-1000..0	10	16	25	40	60	100	160	250	400	600	1000	
Overpressure	3	0,2	0,2	0,2	0,5	0,5	1	2	3	3	3	3	
Burst pressure	5	0,3	0,3	0,3	0,75	0,75	1,5	3	5	5	5	5	
Permissible vacuum	-1	-0,2	0,2	-0,2	-0,5	-0,5	-1	-1	-1	-1	-1	-1	
Output signal	4...20 mA (2-wire)						0...10 V (3-wire)						Others on request
Operating voltage	8...32 V _{DC}						14...30 V _{DC}						
Accuracy (including non-linearity, hysteresis, repeatability)	Nominal pressure ≤ 100 mbar ≤ ± 0,50 % FS IEC 60770 Nominal pressure > 100 mbar ≤ ± 0,35 % FS IEC 60770												
Stability / year	Nominal pressure ≥ 100 mbar ≤ ± 0,1 % FSO Nominal pressure < 100 mbar ≤ ± 0,3 % FSO												
Setting time(10...90%)	≤ 10 ms						≤ 3 ms						
Permissible load	Current: R _{max} =[(U _B -U _{Bmin}) / 0,02 A] Ω						Current: R _{max} = 240 Ω Voltage: R _{min} = 10 kΩ						
Power consumption	Current: max 25 mA, Voltage: max 7 mA												
Temperature ranges	Medium: - 40...125°C Storage: -40...100°C Ambient/electronics : -40...85°C												
Material	Case: 1.4404 Pressure connection: 1.4404 Sensor: 1.4404, Silicone, Epoxy or RTV, mineral glass Seals: FKM												Field housing 1.4301
Pressure connection	G1/2 B												More see page 2
Shock resistance	500 g/1 ms according to DIN EN 60068-2-27												
Vibration resistance	10 g, 25 Hz...2kHz according to DIN EN 60068-2-6												
Weight	approximate 140 g												
CE-mark	EMV-Directive 2014/30/EU												
Operational life	100 Millionen load cycles												
Electrical protection	permanent short-circuit protection, reverse polarity protection, Electromagnetic compatibility: emitted interference and interference immunity according to EN 61326												
More options	Explosion protection only 4...20 mA/2-wire												

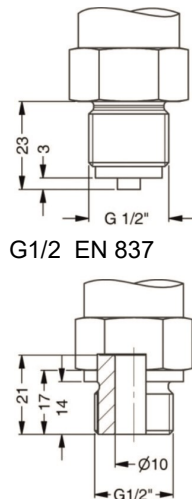
Type 3390, 3395

Dimensional drawings

Dimensions in mm

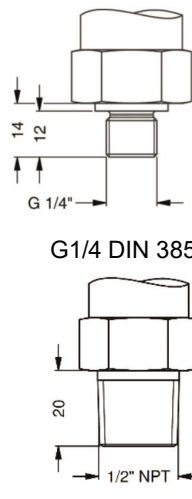


G1/2 DIN 3852 with ISO 4400



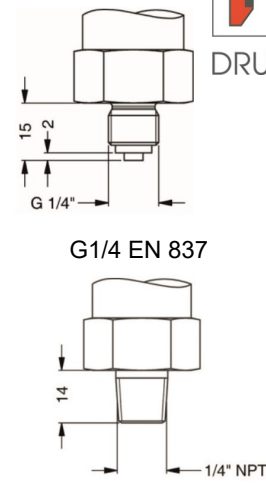
G1/2 EN 837

G1/2 open flange



G1/4 DIN 3852

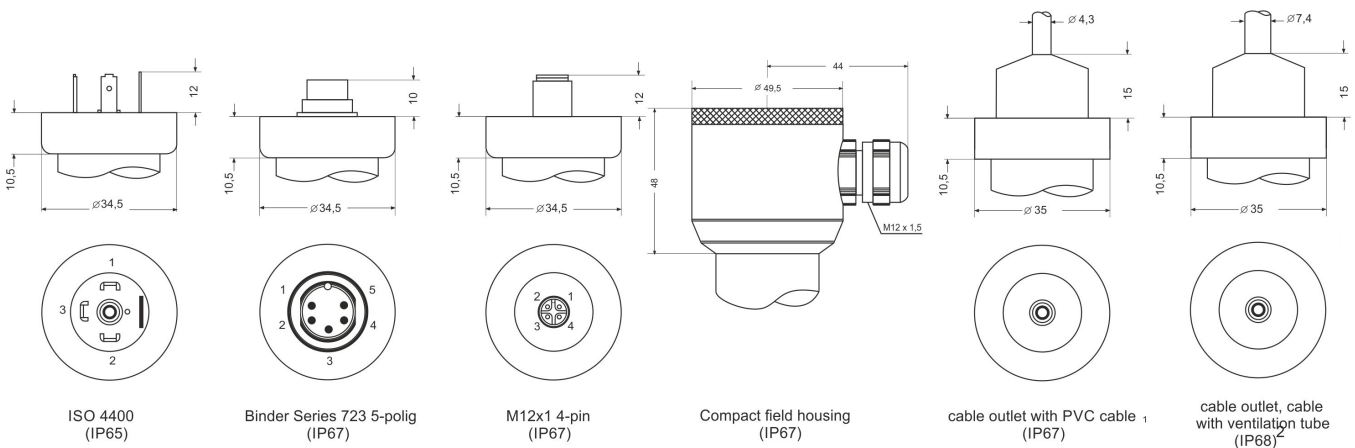
1/2" NPT



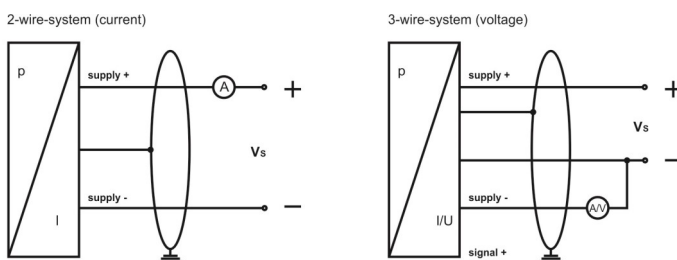
G1/4 EN 837

1/4" NPT

Electrical connections



Connection diagram, pin configuration



Electrical connection	ISO 4400	Binder Serie 723, 5-pin	M12 x 1, 4-pin	Compact field housing	Cable colours
Supply +	1	3	1	IN+	wh (white)
Supply -	2	4	2	IN-	bn (brown)
Signal + (3-wire)	3	1	3	OUT+	gn (green)
Shield	ground pin	5	4	ground pin	ye/gn (yellow/green)