

PRESSURE TRANSMITTER with ceramic sensor



Accuracy 0,5% FSO

OEM-Pressure Transmitter Standard

Suitable for gases, compressed air and liquid media which are not aggressive and not highly viscous, do not crystallize and do not attack the measuring system.

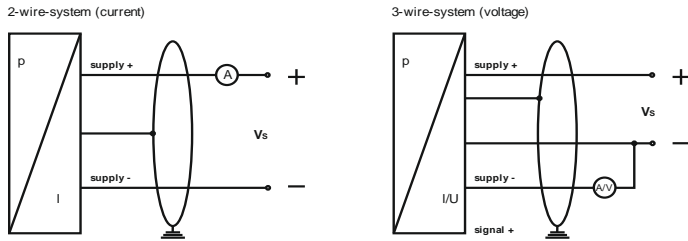
Applications

mechanical and plant engineering
hydraulics und pneumatics



Type	3360	3365	Options
Output signal	4...20 mA, 2-wire	0-10V, 3-wire	
Supply	8...32 VDC	14...30 VDC	
Accuracy	≤ ± 0,5% FSO		
Response time	≤ 10 ms	≤ 3 ms	
Measuring range	0...1 bar bis 0...400 bar		
Permissible load	$R_{max}=[(V_S-V_{Smin})/0,02 A]\Omega$	$R_{min} = 10 k \Omega$	
Long term stability	≤ ± 0,3% FSO / year at reference conditions		
Thermal error	≤ ± 0,3 % FSO / 10 K in compensated range -25...85°C		
Permissible temperatures	Medium:	-25 ... 125°C	
	Electronics/environment:	-25 ... 85°C	
	Storage:	-40 ... 85°C	
Electrical protection	permanent short-circuit protection, reverse polarity protection, electromagn. protection acc.to EN 61326		
Current consumption	max. 25 mA	max. 7 mA (short circuit current: max. 20mA)	
Mechanical stability	Vibration: 10g, 25 Hz ... 2kHz; Shock: 500 g / 1ms		
Mechanical connection	G½B, SW 24		G¼, ¼"NPT
Materials			
Connection / case	Stainless steel 1.4301		
Seals	FKM		others on request
Diaphragm	Ceramics Al ₂ O ₃ 96%		
Operational life	> 100 x 10 ⁶ cycles		
Weight	approx. 120 g		
CE-conformity	EMC-Directive: 2004/108/EGO		

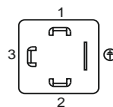
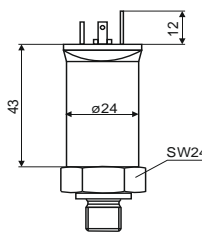
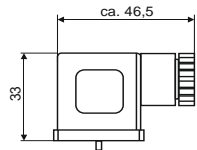
Wiring diagrams



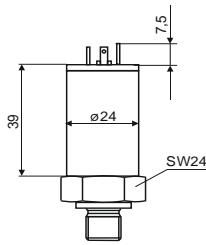
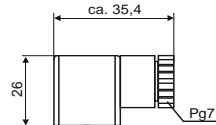
Pin configuration

Electrical connection	ISO 4400	Micro	M12x1	Cable colours (DIN 47100)
Supply +	1	1	1	wh (white)
Supply -	2	2	2	bn (brown)
Signal + (for 3-wire)	3	3	3	gn (green)
Shield	ground pin	ground pin	4	ye/gn (yellow/green)

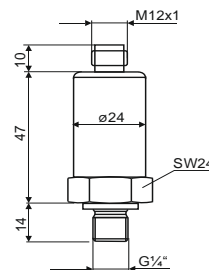
Electrical connections (dimensions in mm)



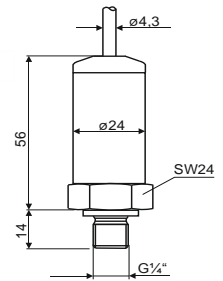
ISO 4400
(IP 65)



Micro, contact-
distance 9,4 mm (IP 65)



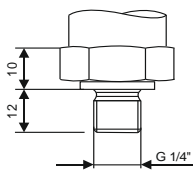
M12x1, 4.-pin
(IP 67)



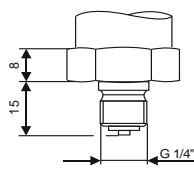
cable outlet with PVC-cable
(IP 67) *

* Standard: 2 m PVC cable without ventilation tube (permissible temperature: -5...70°C)
different cable types and length available, permissible temperature depends on kind of cable

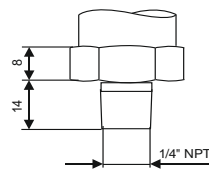
Mechanical connections (dimensions in mm)



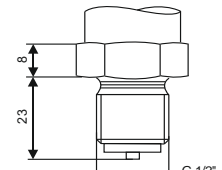
G 1/4" DIN 3852



G 1/4" EN 837



1/4" NPT



G 1/2" EN 837