

PRESSURE SENSOR STANDARD

Nominal pressure ranges 0...1 up to 0...400 bar
Accuracy 0,5%



OEM pressure sensor for general applications, suitable for gases, compressed air and low-viscosity media, which are not aggressive and not highly viscous, do not crystallize and do not attack the measuring system.
 Sensor element: ceramic



Applications

Mechanical and plant engineering
 Hydraulics and pneumatics

Type	3360	3365	Options												
Nominal pressure	0...1 bar up to 0...400 bar		Vacuum measuring range												
Input pressure range															
Nominal pressure relativ	-1..0	1	1,6	2,5	4	6	10	16	25	40	60	100	160	250	400
Overpressure	3	3	5	5	12	12	20	50	50	120	120	200	400	400	650
Burst pressure	4	4	7	7,5	15	18	30	70	75	150	180	300	500	750	1000
Vacuum resistance	unlimited														
Output signal	4...20 mA (2-wire)		0...10 V (3-wire)												
Operating voltage	8...32 V _{DC}		14...30 V _{DC}												
Accuracy	± 0,50 % FS (including non-linearity, hysteresis, repeatability)		≤1% FSO at -1..0 bar												
Stability / year	≤ ± 0,3 % FSO at reference conditions														
Response time (10...90%)	≤ 10 ms		≤ 3 ms												
Permissible load	$R_{max} = [(U_B - U_{Bmin}) / 0,02 A] \Omega$		$R_{min} = 10k\Omega$												
Current consumption	max. 25 mA		Voltage: max 7 mA												
Temperature ranges	Medium: -25...125°C, Storage: -40...85°C, ambient/electronics : -25...85°C														
Thermal error	≤ ± 0,3 % FSO /10K														
Material	Case and wetted parts: stainless steel 1.4301 Diaphragm: Ceramics Al ₂ O ₃ 96% Seals: FKM		other seals on request												
Pressure connection	G1/2 B		G1/4, 1/4"NPT others on request												
Shock resistance	500 g/1 ms acc. to DIN EN 60068-2-27														
Vibration stability	10 g, 25 Hz...2kHz acc. to DIN EN 60068-2-6														
Weight	approx. 120 g														
CE-Mark	EMV-directive 2014/30/EU														
Operational life	100 millions load cycles														
Electrical protection	permanent short-circuit protection, reverse polarity protection, Electromagnetic protection: emitted interference and interference immunity according to EN 61326														
More options	Oxygen application for PN≤25 bar oil and grease free														

Type 3360, 3365

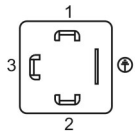
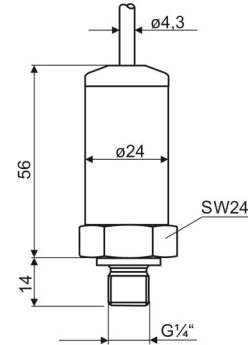
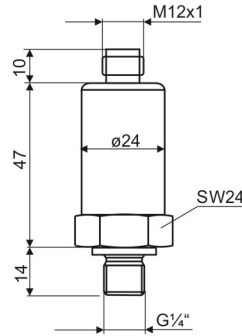
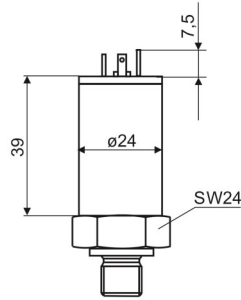
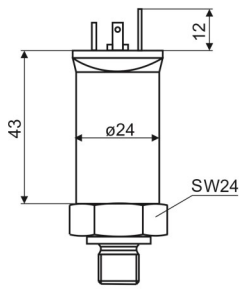
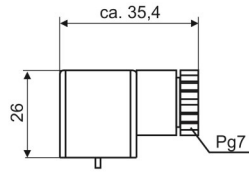
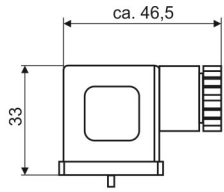
Dimensional drawing

Dimensions in mm

Electrical connections



DRUCK & TEMPERATUR



ISO 440
(IP 65)



Micro,
Contact distance 9,4 mm (IP65)



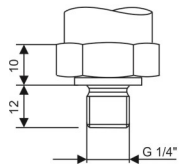
M12x1, 4-pin
(IP67)



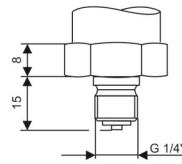
Cable outlet with
PVC-cable (IP67)*

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

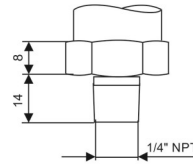
Mechanical connection



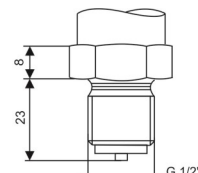
G1/4 DIN 3852



G1/4 EN 837

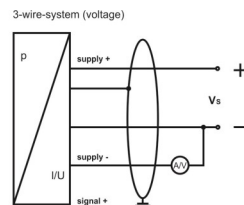
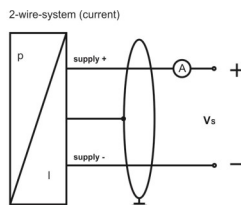


1/4"NPT



G1/2 EN 837

Pin configuration



Electrical connection	ISO 440	Micro	M12 x 1	Cable outlet
Supply +	1	1	1	wh (white)
Supply -	2	2	2	bn (brown)
Signal + (3-Leiter)	3	3	3	gn (green)
Shield	ground pin	ground pin	4	ye/gn (yellow/green)