

Pressure measuring transducers,
incl. DIN plug-in connectors and mounting angle,
with active output

The pressure sensor / differential pressure sensor **PREMASGARD® SHD-692** is used for pressure measurement in gaseous and liquid media. It converts the measurand into standard signals of 0-10 V or 4...20 mA. Process connection is 2 x G 1/8" - 27 NPT internal thread. SHD-692 differential pressure transmitters are used in piping and hydraulic systems, in mechanical and plant engineering as well as in building automation.

Not applicable for ammonia and freon!

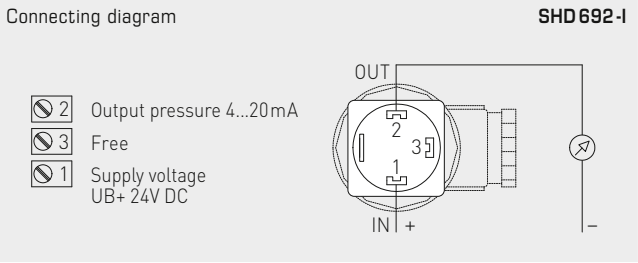
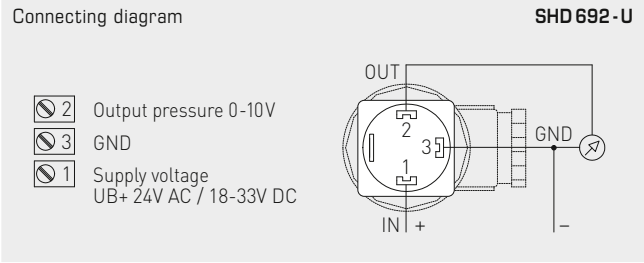
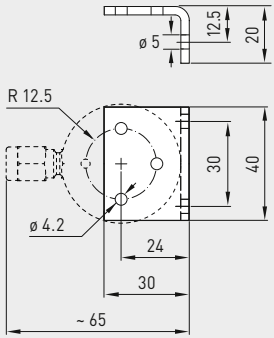
SHD 692
with display

TECHNICAL DATA	
Power supply:	24 V AC (+15 % / -10 %), 18 - 33 V DC for U-variant 24 V DC (± 20 %) for I-variant
Measuring ranges:	see table
Output:	0-10 V (3-wire connection) or 4...20 mA (2-wire connection)
Permissible working resistance: (at nominal voltage)	$R_L > 10 \text{ k}\Omega$ for U-variant $R_L < 600 \Omega$ for I-variant
Electrical connection:	0.25 - 1.5 mm ² , via plug-in connector DIN EN 175301-803-A (included in the scope of delivery)
Pressure connection:	screw pipe connection for 6 mm pipe (G 1/8" - 27 NPT internal thread)
Type of pressure:	differential pressure
Measuring principle:	ceramic measuring cell
Medium:	liquid or gaseous
Temperature of medium:	-15...+80 °C
Housing:	stainless steel V2A (1.4305)
Mounting:	by mounting angle (included in the scope of delivery), installation arbitrary
Medium contacting parts:	INOX (1.4305), ceramics, sealing material EPDM
Response time:	< 5 ms
Class:	0.5 %
Total error:	< 1.3 %
Overload range:	see table (one-sided max. pressure)
System pressure:	max. 25 bar (P1 + P2)
Bursting pressure:	1.5x system pressure
Insulating resistance:	≥ 100 MΩm, at +20 °C (500 V DC)
Protection class:	III (according to EN 60 730)
Protection type:	IP 65 (according to EN 60 529)
Standards:	CE conformity, electromagnetic compatibility according to EN 61 326, EMC directive 2014 / 30 / EU
Optional:	with display module , made of plastic, polyamide material, black colour, LCD display rotatable and tiltable, for displaying the pressure (in bar, other units available upon request)



Dimensional drawing
[mm]

SHD 692
Mounting angle





S+S REGELTECHNIK

PREMASGARD® SHD 692

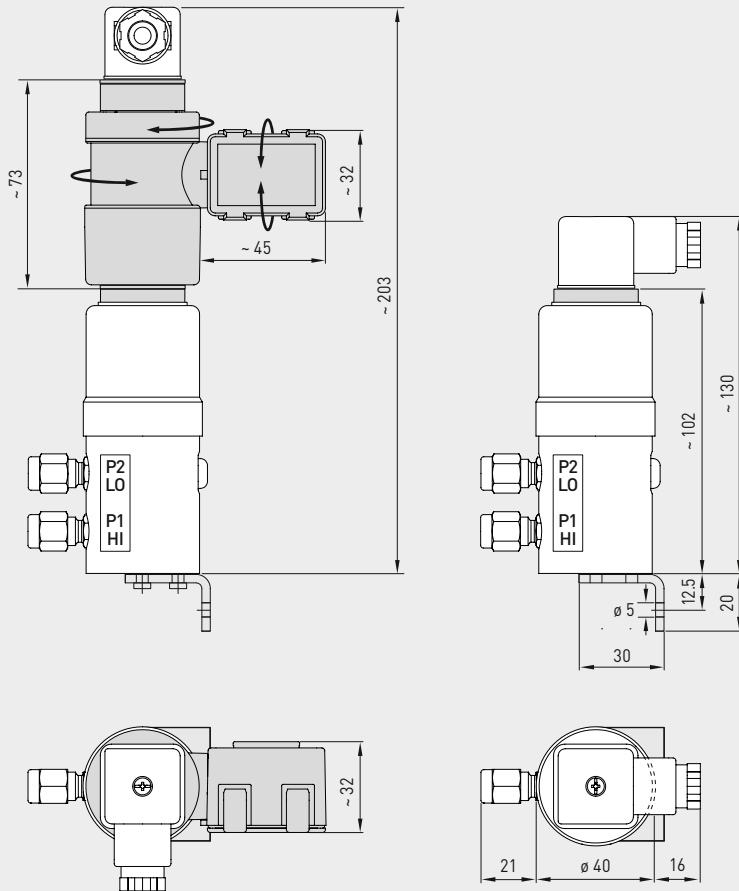
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incl. DIN plug-in connectors and mounting angle,
with active output



Dimensional drawing
[mm]

SHD 692

SHD 692
without display



PREMASGARD®
SHD 692

Pressure measuring transducers, *Deluxe*
or gaseous and liquid media

Measuring Range	One-Sided max. pressure	Typd / WG02	Display	Item No. Output 0-10 V	Item No. Output 4...20 mA
		SHD 692-x = U / I		U - variant	I - variant
0...0,1 bar	0,6 bar	SHD 692-x-900		1301-4121-0500-000	1301-4122-0500-000
		SHD 692-x-900-LCD	■	1301-4121-1500-000	1301-4122-1500-000
0...0,5 bar	3 bar	SHD 692-x-907		1301-4121-0510-000	1301-4122-0510-000
		SHD 692-x-907-LCD	■	1301-4121-1510-000	1301-4122-1510-000
0... 1 bar	5 bar	SHD 692-x-912		1301-4121-0520-000	1301-4122-0520-000
		SHD 692-x-912-LCD	■	1301-4121-1520-000	1301-4122-1520-000
0...2,5 bar	12 bar	SHD 692-x-916		1301-4121-0530-000	1301-4122-0530-000
		SHD 692-x-916-LCD	■	1301-4121-1530-000	1301-4122-1530-000
0... 4 bar	12 bar	SHD 692-x-918		1301-4121-0540-000	1301-4122-0540-000
		SHD 692-x-918-LCD	■	1301-4121-1540-000	1301-4122-1540-000
0... 6 bar	12 bar	SHD 692-x-919		1301-4121-0550-000	1301-4122-0550-000
		SHD 692-x-919-LCD	■	1301-4121-1550-000	1301-4122-1550-000
0... 10 bar	20 bar	SHD 692-x-930		1301-4121-0560-000	1301-4122-0560-000
		SHD 692-x-930-LCD	■	1301-4121-1560-000	1301-4122-1560-000
Note:		Not suitable for ammonia and freon!			