



Differential pressure transmitters
with active output

The pressure sensor / differential pressure sensor PREMAGARD® SHD-692 is used for pressure measurement in gaseous and liquid media. It converts the measurand into standard signals of 0-10V. Process connection is 2 x 1 / 8" - 27 NPT internal thread. PREMAGARD® SHD-692 differential pressure transmitters are applied in piping and hydraulic systems, in mechanical and plant engineering as well as in building automation. **Not applicable for ammonia and Freon!**

TECHNICAL DATA:

Power supply:..... 24 V AC (+15% / -10%)
18 -33V DC

Measuring ranges: see table

Output signal:..... 0-10 V, 3-wire connection

Electrical connection:..... 0.25 - 1.5mm², DIN EN 175301-803-A

Pressure connection:..... screw pipe connection for 6 mm pipe
(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

Mounting:..... installation arbitrary

Enclosure: stainless steel 1.4305

Connecting head:..... angle plug connector DIN EN 175301-803-A

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

System pressure:..... max. 25 bar (P1 + P2)

Bursting pressure: 1.5x system pressure

Insulating resistance:..... ≥ 100 MOhm, at 20 °C (500V DC)

Protection class: III (according to EN 60730)

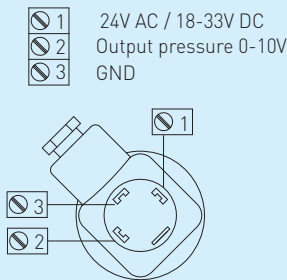
Protection type:..... IP 65 (according to EN 60529)
with receptacle mounted

Standards: CE conformity, electromagnetic compatibility
according to EN 61326 + A1 + A2,
EMC directive 2004 / 108 / EC

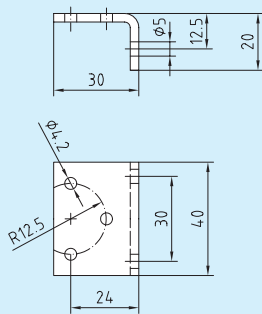


SHD 692

Connecting diagram SHD 692

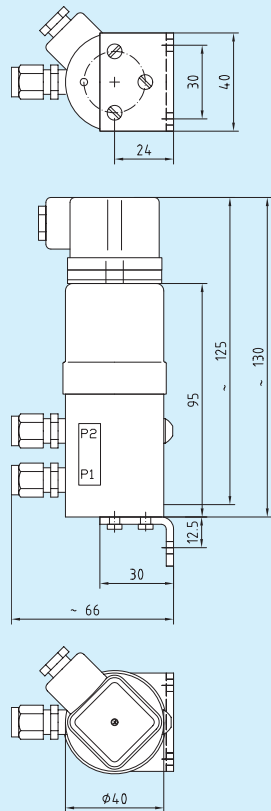


Dimensional drawing SHD 692
Mounting angle



Dimensional drawing

SHD 692



PREMASGARD® SHD 692, including mounting angle

Type / WG1	Measuring Range	(Max. One-Side Overload)	Output
SHD 692 - 900	0 ... 0.1 bar	[0.6 bar]	0-10V
SHD 692 - 907	0 ... 0.5 bar	[3 bar]	0-10V
SHD 692 - 912	0 ... 1 bar	[5 bar]	0-10V
SHD 692 - 916	0 ... 2.5 bar	[12 bar]	0-10V
SHD 692 - 918	0 ... 4 bar	[12 bar]	0-10V