

Differential pressure transmitters,  
including mounting angle, with active output

SHD692

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 0-10V. 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!**

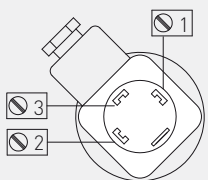


**TECHNICAL DATA**

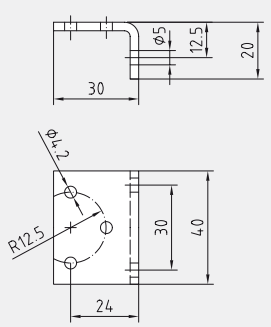
|                          |   |
|--------------------------|---|
| Power supply:            | 24 V AC (+15% / - 10%)<br>18 - 33V DC   |
| Measuring ranges:        | see table   |
| Output signal:           | 0-10 V, 3-wire connection   |
| Electrical connection:   | 0.25 - 1.5 mm <sup>2</sup> , DIN EN 175301-803-A  |
| Pressure connection:     | screw pipe connection for 6 mm pipe<br>(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  |
| Mounting:                | installation arbitrary  |
| Enclosure:               | stainless steel <b>V2A</b> (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:       | 1.5 x system pressure   |
| Insulating resistance:   | ≥ 100 MOhm, at +20 °C (500 V DC)  |
| Protection class:        | III (according to EN 60 730)  |
| Protection type:         | IP 65 (according to EN 60 529) with receptacle mounted  |
| Standards:               | CE conformity, electromagnetic compatibility<br>according to EN 61 326, EMC directive 2014 / 30 / EU  |
| Optional:                | <b>Display module</b> , additional height: approx. 50 mm,<br>for displaying the differential pressure |

Connecting diagram **SHD 692**

- 1 24V AC / 18-33V DC
- 2 Output pressure 0-10V
- 3 GND



Dimensional drawing **SHD 692**  
Mounting angle





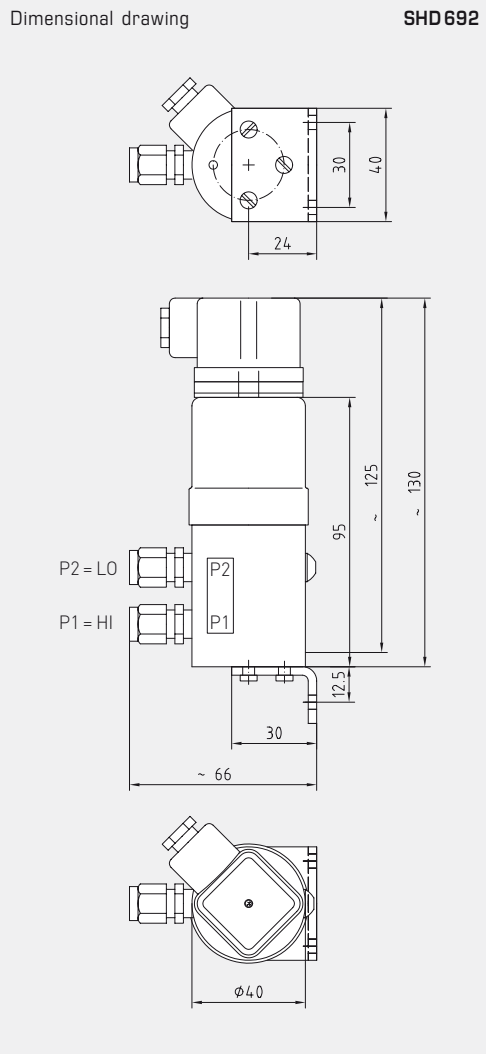
S+S REGELTECHNIK

PREMASGARD® SHD 692

Differential pressure transmitters,  
including mounting angle, with active output



SHD 692  
with display



PREMASGARD® SHD 692 – Differential pressure transmitters, *Deluxe*

| Type / WG02    | Measuring Range            | (Max. One-Side Overload) | Output | Display | Item No.           | Price    |
|----------------|----------------------------|--------------------------|--------|---------|--------------------|----------|
| <b>SHD 692</b> |                            |                          |        |         | <b>U-variant</b>   |          |
| SHD 692-900    | 0...0.1 bar                | (0,6 bar)                | 0-10 V |         | 1301-4121-0500-000 | 490,00 € |
| SHD 692-907    | 0...0.5 bar                | (3 bar)                  | 0-10 V |         | 1301-4121-0510-000 | 490,00 € |
| SHD 692-912    | 0...1 bar                  | (5 bar)                  | 0-10 V |         | 1301-4121-0520-000 | 490,00 € |
| SHD 692-916    | 0...2.5 bar                | (12 bar)                 | 0-10 V |         | 1301-4121-0530-000 | 490,00 € |
| SHD 692-918    | 0...4 bar                  | (12 bar)                 | 0-10 V |         | 1301-4121-0540-000 | 490,00 € |
| Optional:      | <b>with display module</b> |                          |        | ■       | on request         |          |