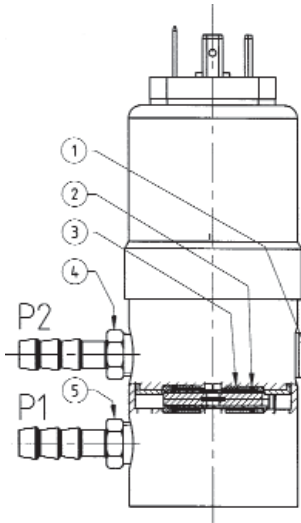


**HUBA****692 Series Differential Pressure Transmitter***Liquids And Gases, FS Ranges 20 PSID to 150 PSID***DESCRIPTION**

The differential pressure transmitter series 692 incorporates proven, unique ceramic sensor technology. The units feature calibrated and amplified sensor signals that are available as standard voltage or current outputs.

The housing is stainless steel or PVDF and a variety of seal elastomers are offered to accommodate different liquid and gas media.

Series 692 transmitters are ideal for monitoring pumps and pressure drops in HVAC chilled water and process systems as well as various other tank level monitoring and control applications.



- 1) Set Screw
- 2) Seals
- 3) Ceramic Element
- 4) P2 Pressure Port, Lower pressure, Higher Vacuum
- 5) P1 Pressure Port, Higher Pressure, Lower Vacuum

**SPECIFICATIONS**

Max Common Mode Pressure:

362 PSI to pressure range 60 PSID  
725 PSI on pressure range 100 & 150 PSID

\*Max Differential Pressure One Port To The Other:

Range 0-25 PSID- 43 PSI  
Range 0-35 PSID- & 0-60 PSID- 174 PSI  
Range 0-100 PSID & 0-150 PSID- 290 PSI  
on P1, 174 PSI on P2

Rupture pressure: 1.5 x common mode pressure

Accuracy

Total of linearity, hysteresis and repeatability:

< +/- 0.5 % fs at common mode 2x pressure range  
< +/- 0.8 % fs at common mode 3x pressure range  
< +/- 1.3 % fs at common mode 5x pressure range

Zero point residual current (0 - 20 mA):

100  $\mu$ A at 2x nominal pressure  
150  $\mu$ A at 3x nominal pressure  
250  $\mu$ A at 5x nominal pressure

Materials of housing in Contact With Media:

Ceramic/303 Stainless Steel  
Sealing material: FPM, contact us for EPDM or NBR

Medium And Ambient Temperature: 4 to 176°F (-15 °C to +80 °C)

\* Use an equalizing manifold for installations where the process common mode pressure is greater than the stated max port to port differential pressure.

**•HIGH RESISTANCE TO EXTREME TEMPERATURE**

**•NO MECHANICAL AGING OR CREEPAGE**

**•COMPATIBLE WITH SLIGHTLY AGGRESSIVE LIQUIDS AND GASES**

**•ATTRACTIVE PRICE TO PERFORMANCE RATIO**

Effect of Temperature (% fs/°C): <0.1%, add following values for higher operating pressures,

< +/- 0.015 at 2x nominal pressure

< +/- 0.022 at 3x nominal pressure

< +/- 0.037 at 5x nominal pressure

Suitable for static and dynamic measurements

Response Time: < 5 ms

Pressure Connections: 1/8 FNPT (standard or 1/8" Barb (optional, contact us)

Weight: approx. 15 oz(430 grams)

Signal: 2-wire, 4 - 20 mA,

Power supply: 11 - 33 VDC

Short circuit proof and protected against polarity reversal.

Electromagnetic Compatibility: CE conformity to EC directive 89/336, EEC (EMC) according to harmonized standards EN 50081-1, EN 50081-2 and EN 50082-2.

Load Impedance: 1100 Ohms Max.

Current Consumption at Maximum Signal Output:

4 - 20 mA < 25 mA

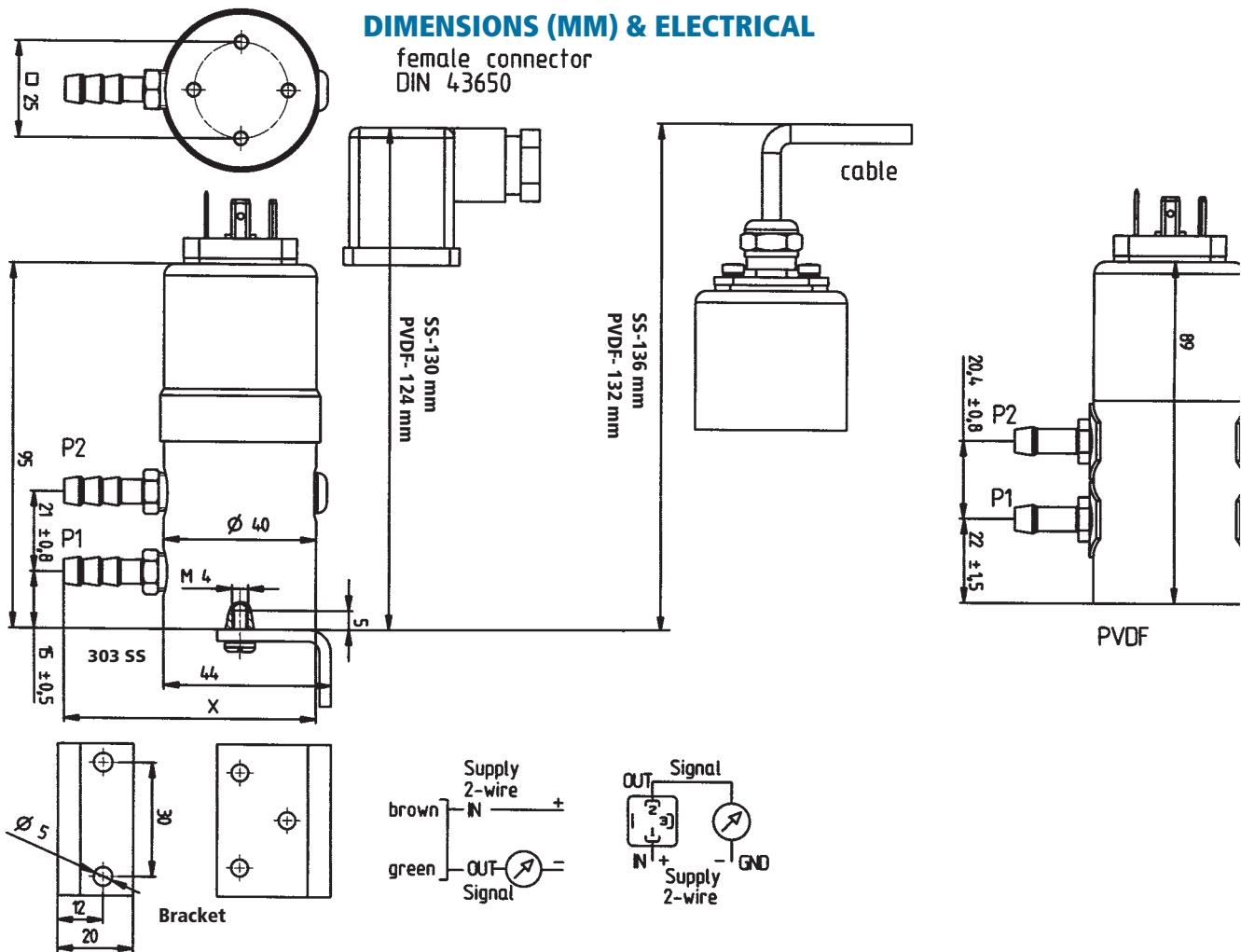
Electrical Connections:

Connector: DIN 43650-A, NEMA 4 (IP 65) or, optionally (contact us):

Cable: 4.5 ft, NEMA 4 (IP 65), with cable gland

## DIMENSIONS (MM) & ELECTRICAL

female connector  
DIN 43650



## ORDERING INFORMATION

**MODEL NUMBER = 692-33-004-A**

Example: 692-33-004-25

### A=Range

25=0-25 PSID.  
35=0-35 PSID  
60=0-60 PSID  
100=0-100 PSID  
200=0-200 PSID

### Accessories & Options:

PVDF Housing(Ranges to 100PSI Max): Consult factory  
Voltage Signal Outputs: Consult Factory  
Special Ranges & Higher Ranges Available On Request

101999= Mounting Bracket

103510= Female Connector, DIN43650-A with seal,  
NEMA 4 (IP65) when secured by screw

## ASK US ABOUT OUR....

**LOW PRESSURE AIR  
TRANSMITTERS & SWITCHES**

