

**Pressure Sensor (Liquids)**

Active sensor (4 to 20 mA) for measuring the pressure in liquid mediums for air conditioning, heating and water applications. Suitable for plants with refrigerant. NEMA 4 / IP65 rated enclosure.


**Type Overview**

| Type            | Measuring Range Pressure | Output Signal Active Pressure | Overpressure Limit | Burst Pressure |
|-----------------|--------------------------|-------------------------------|--------------------|----------------|
| <b>22WP-531</b> | 0...15 psi               | 4...20 mA                     | 30 psi             | 45 psi         |
| <b>22WP-534</b> | 0...50 psi               | 4...20 mA                     | 100 psi            | 150 psi        |
| <b>22WP-536</b> | 0...100 psi              | 4...20 mA                     | 200 psi            | 300 psi        |
| <b>22WP-537</b> | 0...200 psi              | 4...20 mA                     | 400 psi            | 600 psi        |

**Technical Data**

|                        |                               |   |
|------------------------|-------------------------------|---|
| <b>Electrical Data</b> | Power Supply DC               | 15...24 V, ±10%, 0.5 W  |
|                        | Electrical Connection         | plug for wire 15 GA [0.5 to 1.5 mm <sup>2</sup> ]                               |
|                        | Cable Entry                   | mvs plug according to DIN EN175301-803 / type A                                 |
| <b>Functional Data</b> | Sensor Technology             | strain gauge on stainless steel membrane  |
|                        | Output Signal Active Note     | max. load (U <sub>b</sub> -12V) / 20 mA   |
|                        | Mechanical Connection         | pressure connector: 1/4" NPT  |
|                        | Media                         | water   |
| <b>Measuring Data</b>  | Measured Values               | relative pressure   |
|                        | Accuracy Pressure             | ±0.5% FS @ 77°F [25°C]  |
|                        | Total Errors                  | at maximum temperatures<br>-40 °F [-40 °C]: ≤ 2% FS<br>221 °F [105 °C]: ≤ 2% FS |
| <b>Materials</b>       | Body Seal                     | FKM fluororubber, Silicone-free   |
|                        | Housing                       | stainless steel 1.4301  |
| <b>Safety Data</b>     | Ambient Temperature           | -40°F to 220°F [-40°C to 105°C]   |
|                        | Medium Temperature            | -40°F to 255°F [-40°C to 125°C]   |
|                        | Protection Class IEC/EN       | III protective extra-low voltage (peLv)   |
|                        | Protection Class UL           | UL Class 2 Supply   |
|                        | EU Conformity                 | CE Marking  |
|                        | Degree of Protection IEC/EN   | IP65  |
|                        | Degree of Protection NEMA/ UL | NEMA 4  |
|                        | Quality Standard              | ISO 9001  |
|                        | Weight                        | 0.12 lbs  |

**Safety Notes**



The installation and assembly of electrical equipment should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

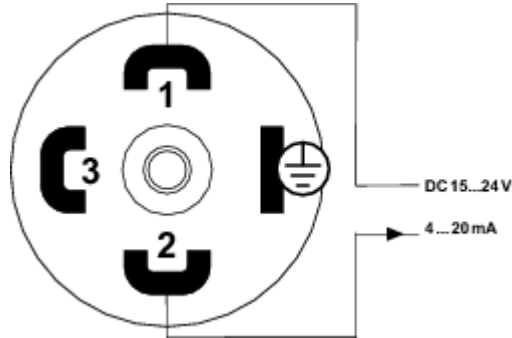
Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

**Accessories**

| Optional Accessories | Description  | Type       |
|----------------------|--|------------|
|                      | adapter 1/4" NPT (internal thread) to 1/2" NPT (external thread) | A-22WP-A01 |

**Wiring Diagram**



**Dimensions**

