

## PR Series

*Serie PRHP Industrial high-pressure transducer*

Ref : 2386

Rev : B



### DESCRIPTION

This industrial pressure transducer has been specifically developed for high pressures measures. Its stainless steel design offers high resistance to corrosive condition. It can be used in either static or dynamic conditions. Also available in high temperature version.

*MESUREX is a sensor manufacturer, we can adapt most sensors to your needs. Please [contact us](#).*

### PRESSURE RANGES

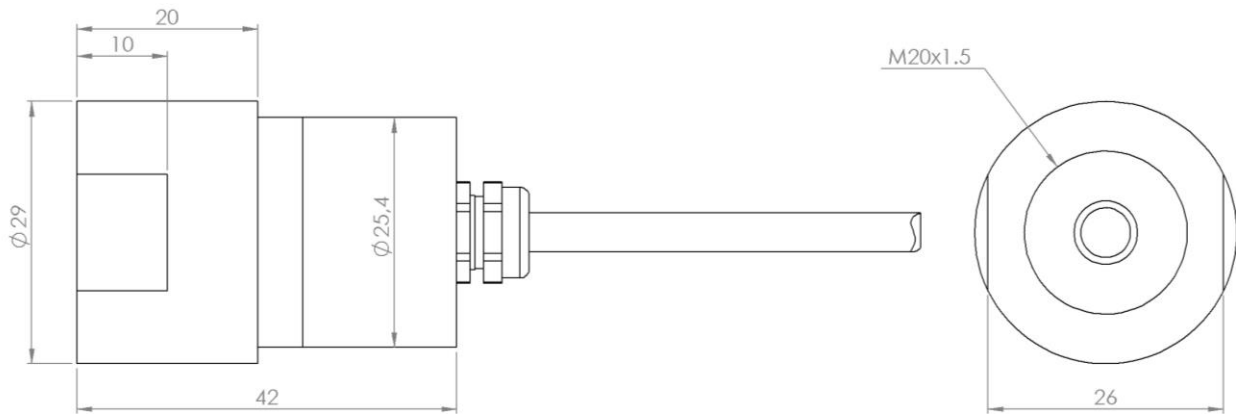
| RANGE<br>(FS in PSI) | RANGE<br>(FS in BAR) | Zero offset<br>at 20°C (%FS) | Linearity &<br>Hysteresis (%FS) | Thermal zero<br>shift* (/50°C) | Thermal sensitivity<br>shift* (/50°C) |
|----------------------|----------------------|------------------------------|---------------------------------|--------------------------------|---------------------------------------|
| 14500                | <b>1000</b>          | 0 ± 5%                       | <±0.3%                          | <2%                            | <2%                                   |
| 21750                | <b>1500</b>          | 0 ± 5%                       | <±0.3%                          | <2%                            | <2%                                   |
| 29000                | <b>2000</b>          | 0 ± 5%                       | <±0.3%                          | <2%                            | <2%                                   |
| 43500                | <b>3000</b>          | 0 ± 5%                       | <±0.3%                          | <2%                            | <2%                                   |
| 58000                | <b>4000</b>          | 0 ± 5%                       | <±0.3%                          | <2%                            | <2%                                   |
| 72500                | <b>5000</b>          | 0 ± 5%                       | <±0.3%                          | <2%                            | <2%                                   |

\* : Into compensated temperature range

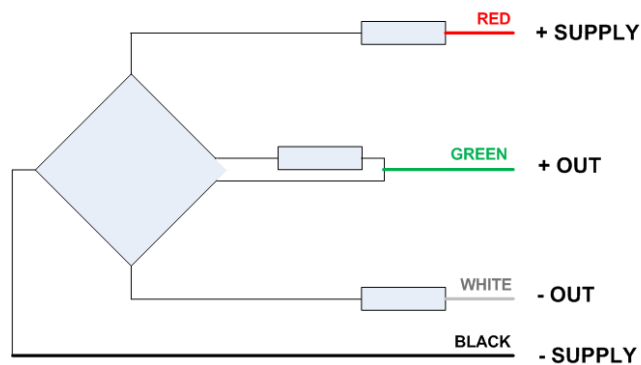
### TECHNICAL DATA

| PARAMETER                  | VALUE                     | NOTE                                 |
|----------------------------|---------------------------|--------------------------------------|
| Supply                     | 10 Vdc                    |                                      |
| Type                       | Relative                  |                                      |
| Overpressure               | 1.5x FS                   | 3x FS without destruction            |
| Operational temperature    | -20°C to 80°C             | Hight temperature option, consult us |
| Compensation temperature   | 0°C to 60°C               | Special need, consult us             |
| Output signal              | Low level                 |                                      |
| Insulation                 | > 100MΩ                   | at 50 Vdc                            |
| Output                     | Cable gland + cable       | Shielded cable 2m length (standard)  |
| Material                   | Body in APX4 and Aluminum |                                      |
| Thread                     | M20x1.5                   |                                      |
| Special customized options | Consult us                |                                      |

## SIZE

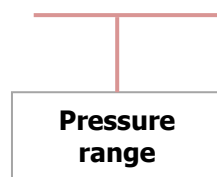


## WIRING



## ORDERING INFORMATION

**PR**



Example: **PR3000B**

- Pressure range : 3000Bar
- Low level output
- **PRHT3000B** high temperature version

## CONTACT

### MESUREX

13 Rue des Corroyés  
78730 Saint Arnoult en Yvelines

Tel : +33 (0) 1 30 41 23 62

Fax : +33 (0) 1 30 41 23 80

Mail : [mesurex@mesurex.fr](mailto:mesurex@mesurex.fr)