

# MiDoMet Pressure Probe



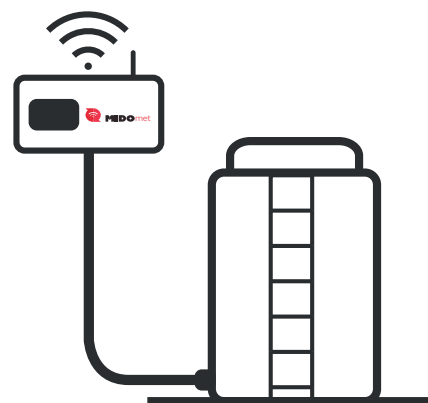
MiDoMet Pressure Probe is full sealed submersible level transducer/transmitter.

It is made by building in high stable and reliable OEM piezo-resistive pressure sensor and high accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be submerged into the media for a long time.

MiDoMet Pressure Probe has compact size, light weight and good stability; it can be used for water or liquid measure and control of medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, etc.

## FEATURES

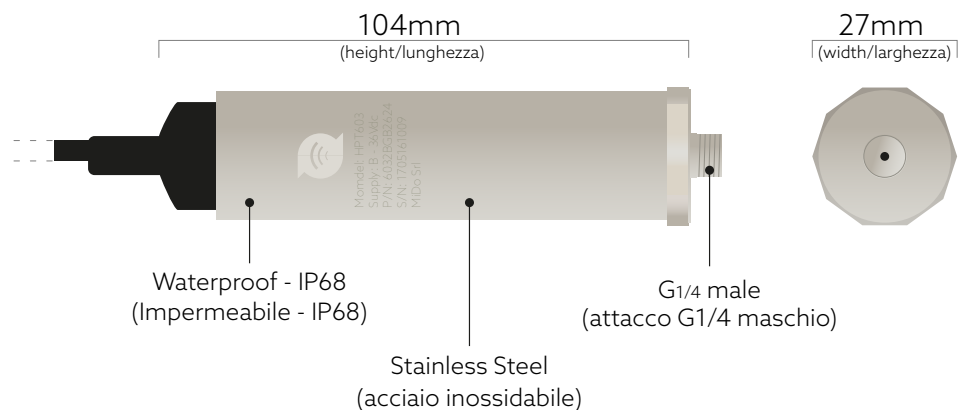
- Output 0 ~ 5/10 V
- Environmental class IP68
- Accuracy:  $\pm 0,50\%$  FS (standard)  
 $\pm 0,25\%$  FS BSL (Including non-lin., rep. and hys.)
- Excellent resistance against impact, overload, Shock and erosion
- Working Temp -30 ~ 70 °C
- Terminals: PE cable (waterproof)



## USE CASES



## DIMENSIONS



## PARAMETERS

|                                 |   |
|---------------------------------|---|
| <b>Pressure Range</b>           | 0-0.1 Bar ... 50 Bar / 0-1 Mt ... 500 Mt  |
| <b>Terminals</b>                | PE Clable (Water Proof)   |
| <b>Safe Overload</b>            | 150% F.S  |
| <b>Burst Pressure</b>           | 300% F.S  |
| <b>Accuracy</b>                 | $\leq \pm 0.5\% \text{F.S}$ (Standard)<br>$\leq \pm 0.25\% \text{F.S}$ FS BSL (Including non-lin., rep. and hys.) |
| <b>Long Stability</b>           | Standard: 0.2% F.S $\pm$ 0.05%  |
| <b>Working Temp</b>             | -30°C ~ 70°C  |
| <b>Storage Temp</b>             | -40°C ~ 90°C  |
| <b>Temperature Compensation</b> | -10°C ~ 65°C  |
| <b>Medium compatible</b>        | Stainless steel AISI 316  |
| <b>Output</b>                   | 0 ~ 5/10 V  |
| <b>Power Supply</b>             | 12 ~ 36 V   |
| <b>Insulate resistance</b>      | > 100 M $\Omega$ @50V   |
| <b>Zero Temperature Drift</b>   | 0.003%FS/°C ( $\leq 100 \text{kPa}$ )<br>0.002%FS/°C ( $> 100 \text{kPa}$ )                                       |
| <b>FS Temperature Drift</b>     | 0.003% FS / °C ( $\leq 100 \text{kPa}$ )<br>0.002% FS / °C ( $> 100 \text{kPa}$ )                                 |
| <b>Response time</b>            | $\leq 10 \text{ ms}$  |
| <b>Pressure Type</b>            | Gauge pressure, sealed gauge pressure and Absolute pressure optional  |
| <b>Standar EMC</b>              | EN50081-1/-2 EN50082-2  |
| <b>Weight</b>                   | 0.3 / 1.5 Kg  |

| Electronic Connections | Power Supply + | Power Supply - | Signal Output + | Signal Output - | GND   |
|------------------------|----------------|----------------|-----------------|-----------------|-------|
| 3 wire 0 ~ 5/10 V      | Red            | Green          | Yellow          | NA              | Black |