

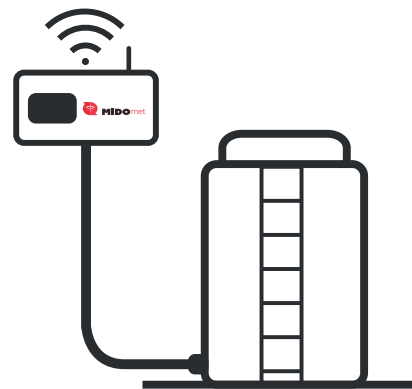
MiDoMet Pressure HT Probe



MiDoMet Pressure Probe HT is a high temperature pressure transducer/transmitter. It uses an high quality piezoresistive pressure sensor suitable for fluid temperature up to 150°C or 300 °C. Pressure, which acts on the membrane, is transferred, through a capillary tube filled with oil, to the silicon measuring cell. The capillary tube acts as a spiral cooling, allowing fluid temperature up to 150°C or 300°C even for highly aggressive fluids.

FEATURES

- Piezoresistive pressure sensor with cooling system, max 150°C or max 300°C
- Fully welded stainless steel housing
- Surge protection (lightning)
- EMI / RFI Protection
- Adjustable zero point and span
- Certified CE, ATEX, RoHS approved



USE CASES



PARAMETERS

Pressure range (bar)	-1 a 0; 0 a 0.1; 0 a 2000		
Pressure type	Gauge pressure, relative pressure, absolute pressure (Opz)		
Safe Overload	200% F.S		
Pressure Overload	400% F.S		
Accuracy	$\leq \pm 1\% \text{F.S}$ $\leq \pm 0.5\% \text{F.S}$		
Long-term stability	Standard: 0.3%, F.S $\pm 0.05\%$		
Working temperature	-50°C ~150°C o (300°C)		
Storage Temperature	-20~125°C		
Compensation Temperature	0-85°C OR 0~100°C		
Contact Material	Stainless Steel AISI 316L		
Output	0 ~ 5V (4-20mA)		
Power	8 ~ 30 Vdc		
Isolation	>100M Ω @100V		
Electrical Resistance	500V@60 sec		
Load Resistance	(U-10)/0.02(Ω) per 4-20 mA		
Zero Temperature Drift	0.05%FS/°C($\leq 100\text{kPa}$), 0.03%FS/°C($> 100\text{kPa}$)		
FS Temperature Drift	0.05%FS/°C($\leq 100\text{kPa}$), 0.03%FS/°C($> 100\text{kPa}$)		
Response Time	≤ 10 ms		
Terminals	Cavo PE (Water Proof)		
Protection	IP 67		
Connection to process	G1/2"maschio		
Composition	Case	Stainless Steel 316	316L SST
	Sensore	Piezoresistive pressure sensor	Sapphire pressure sensor
	Temp	-20~300°C	-20~500°C

MIDoMet Pressure HT Probe (CODPROD MD.PPRHT.1.9.XXXB)

ELECTRIC CONNECTIONS

Electric Connection	Vcc+	Vout	Signal Output -	GND
3 wires 0 ~ 5V	Red	Green	NA	Black