

# MiDoMet Level Sewage/Waste Probe



MiDoMet Level Sewage / Waste Probe is a fully submersible level transducer / transmitter sealed with IP68 protection suitable for measuring the level of waste water or sewage.

It consists of a highly stable and reliable piezo-resistive OEM pressure sensor in a high circuit precision with 316L stainless steel diaphragm housed in the shockproof 316SS steel casing and anticorrosion.

It is equipped with a removable 40 mm diameter filter with 20 holes that protects the diaphragm from clogging and damage. Comes with shielded and ventilated cable.

The ventilation tube in the cable automatically compensates for changes in atmospheric pressure.

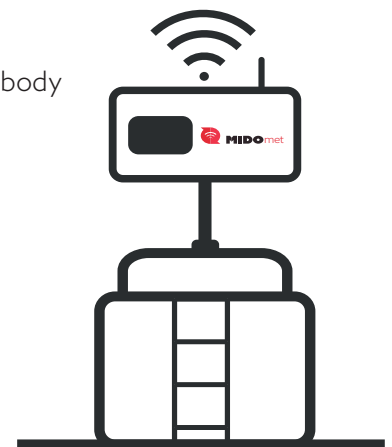
The vent is protected by a filter that eliminates moisture in the transducer.

MiDoMet Level Probe Sewage / Waste is robust, easy to use, compact size, light weight and excellent stability.

It can be used for tank level measurements, networked in or in the fields of process control of the purification, electricity, water supply, and drainage and hydrology, etc.

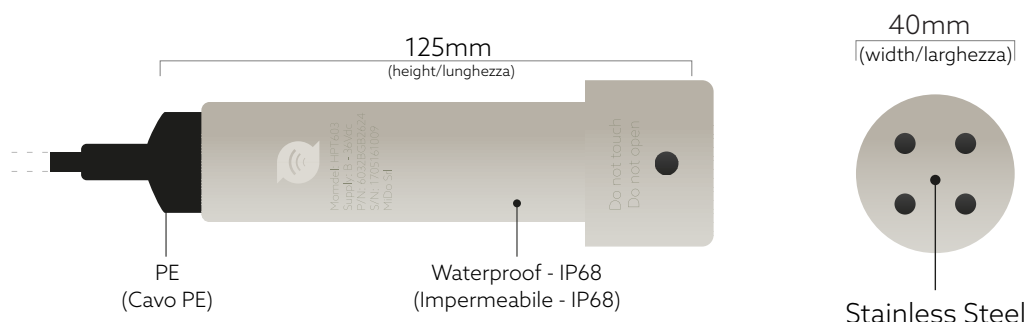
## FEATURES

- 4-20 mA output.
- Environmental class IP68.
- Filter with 20 pores design to ensure sensitivity
- 316L stainless steel diaphragm with 316SS shock and erosion resistant welded body structure
- Accuracy: High accuracy  $\pm 0.25\%$  FS
- Reverse polarity, overvoltage and damage protection sudden changes in pressure.
- Temperature from  $-30$  to  $80^{\circ}\text{C}$
- Terminals: PE (waterproof) and hydrology cable, etc.



MiDoMet Level Sewage/Waste Probe (CODPROD MD.LEV.2.10.XXXM)


## Dimension



## PARAMETERS

Range of pressures / Levels	0-0.1 Bar ... 50 Bar / 0-1 Mt ... 500 Mt
Terminals	Cable PE (Water Proof)
Safe Overload	200% F.S
Pressure overload	300% F.S
Accuracy	$\leq \pm 0.5\% \text{ F.S}$ (Standard) $\leq \pm 0.25\% \text{ F.S}$ FS BSL (linearity, hysteresis and repeatability)
Long-term stability	Standard: $0.2\% \text{ F.S} \pm 0.05\%$
Working temperature	$-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$
Storage temperature	$-40^{\circ}\text{C} \sim 100^{\circ}\text{C}$
Compensation temperature	$-10^{\circ}\text{C} \sim 65^{\circ}\text{C}$
Compensating contact material	Stainless steel 316SS
Output	4 ~ 20 mA
Supply	7 ~ 30 V
Isolation	$> 100 \text{ M}\Omega @ 50\text{V}$
Zero Temperature Drift	$0.03\% \text{ FS}/^{\circ}\text{C}$ ( $\leq 100 \text{ kPa}$ ) $0.02\% \text{ FS}/^{\circ}\text{C}$ ( $> 100 \text{ kPa}$ )
FS Temperature Drift	$0.003\% \text{ FS} / ^{\circ}\text{C}$ ( $\leq 100 \text{ kPa}$ ) $0.002\% \text{ FS} / ^{\circ}\text{C}$ ( $> 100 \text{ kPa}$ )
Response time	$\leq 4 \text{ a } 10 \text{ ms}$
Type of pressure	Gauge pressure, sealed gauge pressure and Absolute pressure optional
Standar EMC	EN61326-1:2013; EN61326-2-3:2013 EN61000-6-2:2005; EN61000-6-4:2007+A1
Certificate Approving	ATEX intrinsic safety or ExdIICT6, TUV RoHS e CE
Weight	Net Weight from 0.3 / 1.5 Kg

Electrical connection	Power Supply +	Power Supply -	Signal Output +	Signal Output -	GND
2 cable 4-20 mA	Red	NA	Green	NA	Black

	Description
	<p>Terminal box</p> <p>The terminal box, with IP 68 ingress protection and watertight ventilation element. Provides a moisture/free electrical termination for the submersible pressure transmitter.</p> <p>It should be mounted in dry enviroment or directly in the switch cabinet.</p>