

Mechatronic Thermometer

Type A88

Date: June 2019

Sheet No.: A88

Mechatronic rigid stem thermometer



- mqNMM and mechanical measuring in the same point
- No measuring errors due to measurement in two different points
- Ideal positioning of both sensors
- Vibration proof due to liquid filling
- Fewer assembly points
- Sanitary = better hygienic design
- Tough environments = fewer leakage points

A combined instrument

The mechatronic rigid stem thermometer combines the well-known rigid stem thermometer and an electronic temperature sensor EmtNMMF into one useful tool.

It is possible to conduct both a mechanical and an electronic measurement in the same point due to the construction with the electronic sensor lead running through the thermometer stem into the bulb.

Application

Carrying out the mechanical and electronic measurement gives a number of advantages. b.g. it eliminates the possibility of different readings due to measuring in O different points.

The measurements in tough environments where harsh chemicals and sour gasses are in use it eliminates the potential no. of leakage points. In sanitary applications it minimizes the no of dead legs where dirt can assemble and pollute a sanitary system.

The mechatronic thermometer is faster and cheaper to install due to the fact that it reduces the number of installation points in a large process system.

Specifications

Type A330301...	Pressure gauge w. diaphragm seal
Case size	DN100
Case material	AISI 316
Display face	Hardened glass
Bezel	AISI 316
Liquid filling	Glycerine
Connection	Bottom
Measuring range -	1-0 bar to 0-100 bar
Minimum span	1 bar
Damping Over	Standard
range protection	Pmax + 30%
	Cl. 1,0 (±1 % FS)
Measuring units	bar, Kpa, Mpa, Kp/cm3, Kg/cm2, lb/in2, psi, mH2O mbar, "HG, cmHg, When dual scale marking is selected the main unit is the inner scala.

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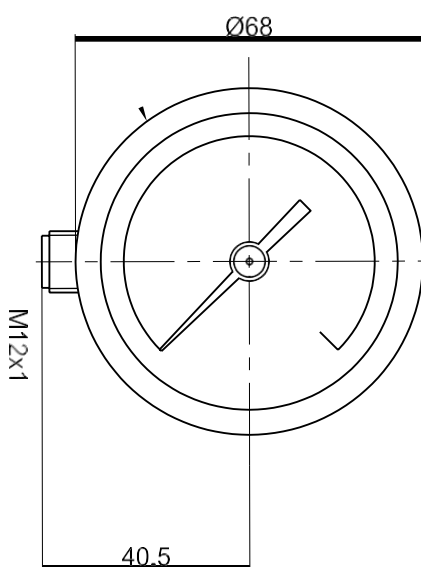
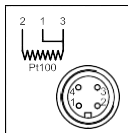
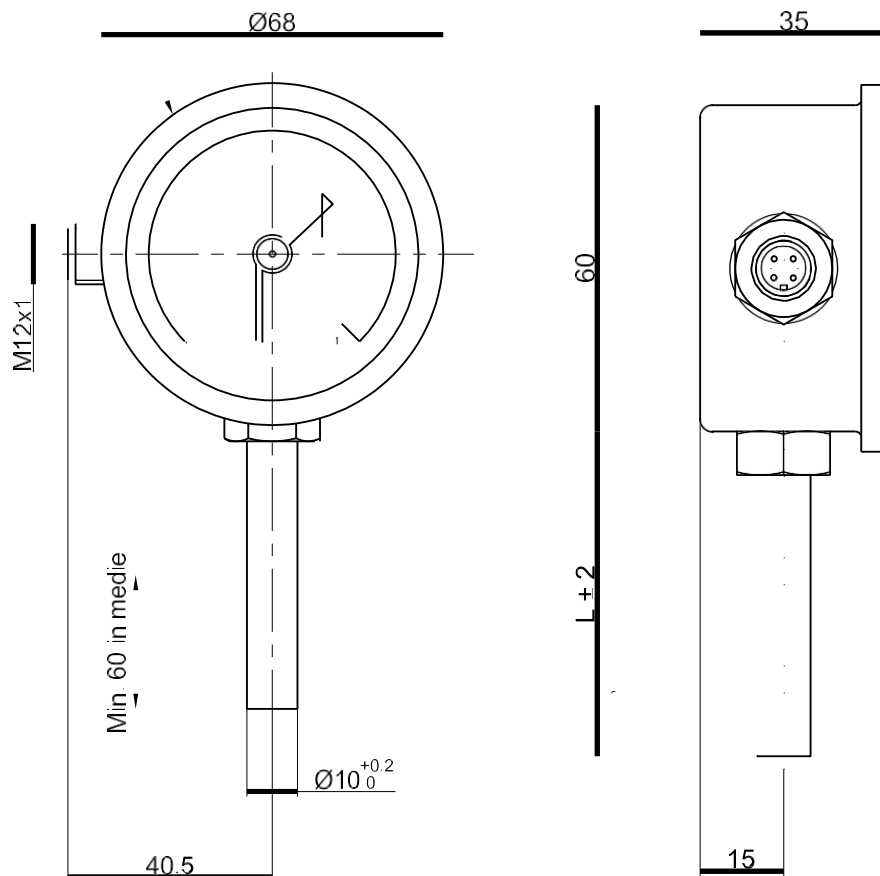
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Mechatronic thermometer Drawings

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