

▶ Highest levels of flexibility and reliability



INOR

▶ IPAQ CT20 – Compact and reliable transmitter for demanding applications

The IPAQ CT20 is an analogue, PC-configurable transmitter for Pt100 sensors. It comes in a robust, IP67 casing with M12 connections in both ends and offers the highest levels of flexibility and reliability. Its compact design and robust casing makes IPAQ CT20 the ideal choice for a wide range of applications, e.g. in OEM/ Machine applications or integrated in production and process lines. The M12 connectors allows the IPAQ CT20 to be optimally installed based on environmental conditions, physical space and access for maintenance.

A wide range of suitable cable sensors and sensor probes are available on request



IPAQ CT20

Technical details

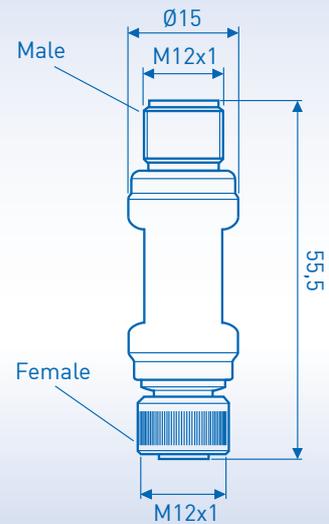
Input	3-wire Pt100 IEC 60751, $\alpha=0.00385$
Sensor current	~ 0.5 mA
Output	Analog, 4-20 mA, temperature linear
Response time (90%)	< 10 ms
Permissible load	750 Ω @ 24 VDC
Measuring range	PC-configurable
Measuring range limits	-50...+800°C
Zero limits	-50°C to +50°C
Minimum span	50°C or 20°C
Sensor error compensation	Max. ± 1 % of span (2 points compensation)
Sensor break	Selectable, Upscale (≥ 21.0 mA) or downscale (≤ 3.6 mA) action
Sensor short-circuit	Fixed, downscale (≤ 3.6 mA) action
Ambient temperature	-40 to +85 °C (storage and operation)
Humidity	0 to 100 %RH
Vibrations	Acc. to IEC 60068-2-6, test Fc, 10-2000 Hz, 10g
EMC	Acc. to IEC 61326-1
Basic accuracy	Max. of ± 0.2 °C or ± 0.2 % of span
Temperature influence	Max. of ± 0.01 °C per °C or ± 0.01 % of span per °C
Long-term stability	± 0.1 % of span per year
Power supply	7.5 to 32 VDC, polarity protected
Material	Thermoplastic material*
Weight	16 g
Protection	IP67
Process connection	M12x1,4-pin

* meets the hygienic requirements on materials and articles intended for contact with foodstuffs according to Regulation (EC) 1935/2004

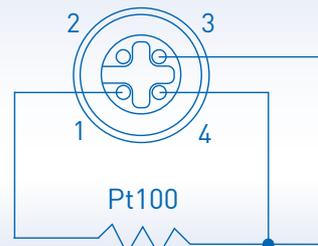
Easy configuration

The configuration is easily done before the installation with the user friendly ConSoft software and it can be installed without stopping the process.

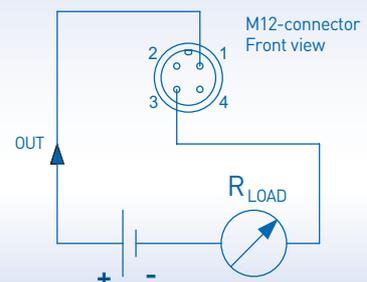
Dimensions (mm)



Input (female) connection



Output (male) connection



Contact

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