

Monitoring sensor PT100



Vinci Life Science Applied SA
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Production Site: Via Penate, 16 - 6850 Mendrisio

Product Specifications

Power Supply:	10÷28 Vcc (polarity protected)
Accuracy (*):	(*) @25°C ≤ ± 0.3°C
Temperature influence (*):	(*)deviation from 20°C Maximum value between ±0.3°C/25°C and ±0.3% of span/25°C
Permitted load:	636 Ω @ 24 Vdc (RLΩ=(Vsupply – 10) / 0.022)
Sensor failure signalling:	Upper scale >21.0 mA Downscale <3.6 mA
Sensor short circuit signalling:	Fixed at lower limit of range (<3.6 mA)
Electronic board operating temperature:	-40÷80°C
Sensing element operating temperature range:	-50÷500°C
Output signal:	4-20 mA

Sensing element:	pt100 Ω @ 0°C
Sheath diameter:	\varnothing 3mm – \varnothing 6mm
Sheet material:	AISI 316
Type of connector:	male 4-pin connector with M12x1 metal screw lock
International protection marking (*):	(*) According to IEC 60529 – IP65/67
Factory default ranges available:	0÷100°C / 0÷150°C / 0÷300°C / -50÷100°C / -50÷150°C / -50÷50°C

Specifications are subject to change without notice

Spec. Version A



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