

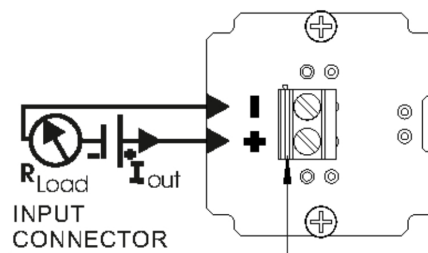
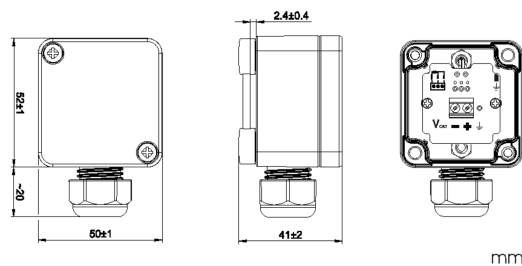
SCATDTT

Rev. 2 - 02/09/2022

# PIPE PROBE

## Temperature probe with plastic junction box and 4-20 mA output

Contact probe for pipe temperature measurements. Setting block are made of brass with a "V" profile in order to be placed on several dimensions of pipes. Sensing element in directly annealed in one setting block. Probe is fixed by hose clip (not provided)



## TECHNICAL SPECIFICATION

Power supply	10 ÷ 28 Vcc (polarity protected)
Accuracy (*) (*) @25°C	≤ ±0.3°C
Response time of electronics section	<50 ms
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)
Effect of power supply	Negligible
Electronic board operating temperature	-40 ÷ 80°C
EMC	In accordance to EN 61326-1:2013 (CE) In accordance to BS EN 61326-1:2013 (UKCA)
Terminal electrical connection	2 pole screw terminal block 5.08mm pitch
International protection marking (*) (*) According to IEC 60529	IP65/67
Connection head / junction box material	PLASTIC
Cable gland dimension	Ø 5 ÷ 10 mm
Sensing element	Pt1000 Ω @ 0°C
Pt1000 sensor accuracy	Class A up to 300°C according to IEC751
Sheet material	BRASS CW614N
Box probe version	with metal tile for measurements on pipelines
Tube compatibility	Ø 10 ÷ Ø 100 mm
Fixing accessories	wall mounting screws (self-tapping 3.5 for expansion plugs Ø6 mm) NOT SUPPLIED
Factory default	-40 ÷ 80 °C Other configurations on request

## ORDER CODES

SCAT#	DP3AMX
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