

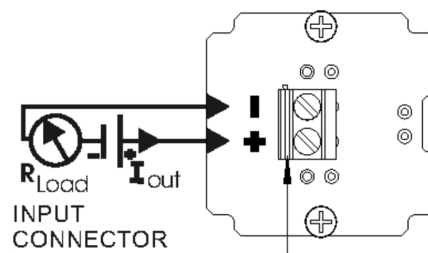
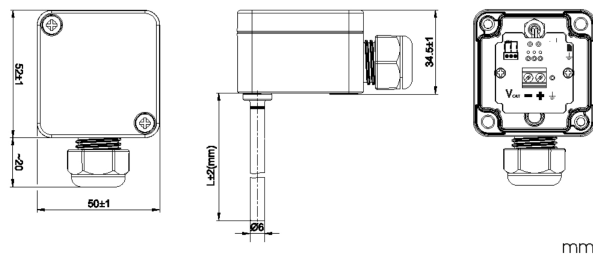
SCAT02CTT

Rev. 2 - 02/09/2022

# DUCT PROBE

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

Probe for duct temperature measurements with plastic junction box and cable gland. Stem  $\varnothing 6\text{mm}$  stainless sheath in order to protect the sensing element from aggressive environmental conditions.



## 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
Response time	<13s (according to IEC 751 - time to reach 63.2% of the temperature difference)
Sheet material	INOX
Sheath diameter d	Ø 6 mm
Stem length L	100 mm 150 mm 200 mm 300 mm Other lengths on request
Box probe version	with stem suitable for immersion
Fixing accessories	wall mounting screws (self-tapping 3.5 for expansion plugs Ø6 mm) NOT SUPPLIED
Factory default	-50 ÷ 100 °C Other configurations on request

## ORDER CODES

SCAT02#		P3AMX
	↑ Length L (mm)	
100	0100	
150	0150	
200	0200	
300	0300	

ITALCOPPIE SENSORI srl

Via A. Tonani, 10 - Fraz. S. Giacomo al Campo  
26030 Malagnino (CR) - Italy

[www.italcoppie.it](http://www.italcoppie.it)

WE SENSE

TEMPERATURE