

ITT3 Industrial IO-Link® Temperature Transmitter

Features

- Suitable with RTD Pt 100 (3-wire) or Thermocouple
- Reliable conversion of sensor signals into an IO-Link® signal (IEC 61131-9)
- Via IO-Link configurable

Typical Uses

- Process automation & controls
- Natural gas system
- Power plant
- Machine and apparatus construction
- Food and beverage
- Pulp and paper



ITT3
Head-Transmitter

Mechanical Specifications

Dimensions:	Ø 45 x 23 mm
Weight:	40 g
Material:	Polyamide plastic (PA66)
Max. Wire Size:	16 AWG, 1 x 1.5 mm² stranded wire
Torque Terminal Screw:	0.4 Nm

Environmental Specifications

Temperature Limits:	Storage:	-40 °C to +85 °C (-40 °F to 185 °F)
	Operating:	-20 °C to +80 °C (-4 °F to 176 °F)
Humidity:	30...90 % R.H. (non-condensing)	
Ingress Protection:	IP20	

Accuracy Specifications

Accuracy:	Max. ±0.02 of span + sensor error
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Electrical Specifications

Supply Voltage:	24 Vdc
Reverse Polarity:	Protected, no function, no damage
Programming:	Via IO-Link® software
Response Time:	20 ms
Filter Setting:	25 s
Switch-on Delay:	< 5 s
Measurement Rate:	10 per second
Resolution:	16 bit
Transient Response:	Temperature linear
Withstand/Breakdown:	1000 Vac



Key Benefits

- Easy installation and programming
- High accuracy in your measurement setup
- Programmable IO-Link® interface
- RTD or Thermocouple input

Input Specifications

Input Types:	RTD Pt 100 (3-wire) Thermocouple Type J, K and N	
Max. Temperature Span:	Pt100:	-200 °C to +800 °C (3-wire)
	Type J:	-210 °C to 1200 °C
	Type K:	-200 °C to 1372 °C
	Type N:	-210 °C to 1300 °C
Sensor Current:	9 mA (RTD only)	

Output Specifications

Interface:	IO-Link
Signal Level:	0-24 V

Approvals

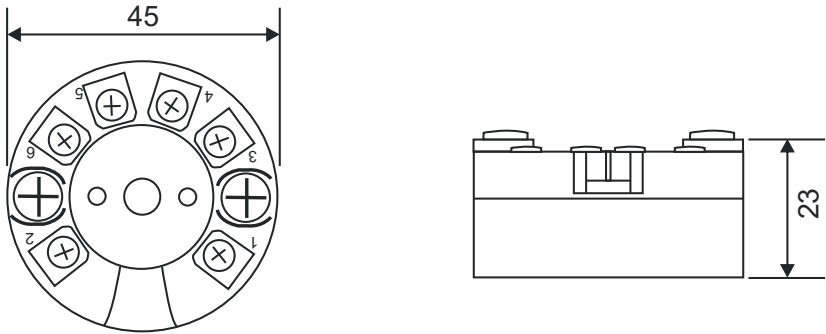
CE Conformity:	EMC: EN 61000-6-4 and EN 61000-6-2
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ITT3 Industrial IO-Link® Temperature Transmitter

Ordering Code		Example:	ITT 3	1	IO	1
Model			ITT 3			
ITT3	Digital programmable IO-Link® temperature transmitter		ITT3			
Sensor						
1	RTD Pt 100 (3-wire)			1		
J	Thermocouple Type J					
K	Thermocouple Type K					
N	Thermocouple Type N					
Output Signal						
IO	IO-Link® 0-24 Vdc				IO	
Case						
0	Without case					
1	With case					1

Dimensions In MM

For reference only, consult Ashcroft for specific dimensional drawings



Electrical Connection and Schemes

For reference only, consult Ashcroft for specific dimensional drawings

