

## ITT3 Industrial Temperature Transmitter for Temperature Sensors with IO-Link

### FEATURES

- Suitable with 3-wire Pt100 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 industry
- Pulp and paper industry



**ITT3**  
Head-Transmitter



### MECHANICAL SPECIFICATIONS

Dimensions:	Ø 45 x 23 mm
Weight:	40 g
Material:	Polyamid plastic (PA66)
Max. Wire Size:	1 x 1.5 mm <sup>2</sup> 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 (-40 °F to 185 °F)
Humidity:	30...90 % R.H. (non-condensing)	
Ingress Protection:	IP20	

### ACCURACY SPECIFICATIONS

Accuracy:	max. 0.02 % of span (does not include 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	

### INPUT SPECIFICATIONS

Input Types:	RTD Pt 100 (3-wire)	
	TC Type J, K and N	
	Max. Temperature	Pt100: -200 °C to +800 °C (3-wire)
	Span:	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)	

### KEY BENEFITS

- Easy install and programming
- High accuracy in your measurement setup
- Programmable IO-Link interface
- RTD or TC input

### OUTPUT SPECIFICATIONS

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

### APPROVALS

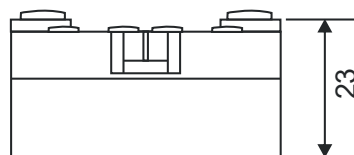
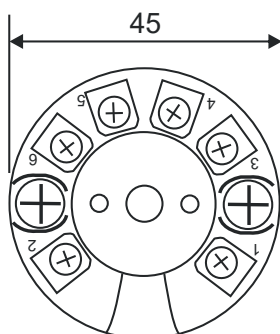
CE Conformity:	EMC: EN 61000-6-4 and EN 61000-6-2
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## ITT3 Industrial Temperature Transmitter for Temperature Sensors with IO-Link

ORDERING CODE		EXAMPLE:	ITT3	1	IO	1	NH
<b>Model</b>							
ITT3	Digital programmable IO-Link temperature transmitter	ITT1					
<b>Sensor</b>							
1	Pt100			1			
J	Type J						
K	Type K						
N	Type N						
<b>Output Signal</b>							
IO	IO-Link 0-24 Vdc				IO		
<b>Case</b>							
0	Without case						
1	With Case					1	
<b>Options (If choosing an option(s) must include a "X")</b>							
<b>Tagging</b>							
NH	Tag number programmed						NH

### 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

