



**PROGRAMMABLE 2-WIRE TEMPERATURE TRANSMITTER
(with integrated Pt-100 sensor)**

BTT787

- Programmable conversion range
- 2-wire 4...20 mA output
- Easy & Fast connection plug
- Straight or angled cable connector
- Small dimensions
- Vibration-proof design
- High protection class - IP65

DESCRIPTION

BTT787 measures temperature within the -50...200 °C range via a Pt100 sensitive element and converts it into standard 4...20 mA 2-wire signal. The configuration software "TraCon" enables programming of the measurement range and output direction as well as other parameters. The probe has a robust vibration-proof stainless steel sheath with IP65 protection class, and its interior is filled with special compound, which protects the electronics from the harsh ambient influences. BTT787 is equipped with a detachable connector that allows fast and easy electrical decoupling. Various stem diameters and lengths as well as stainless steel types are available. Thanks to its robust design and flexible programming, the BTT787 probe is a fast and convenient solution to varying problems involving temperature measurement and conversion in industrial environments.

SPECIFICATIONS GENERAL

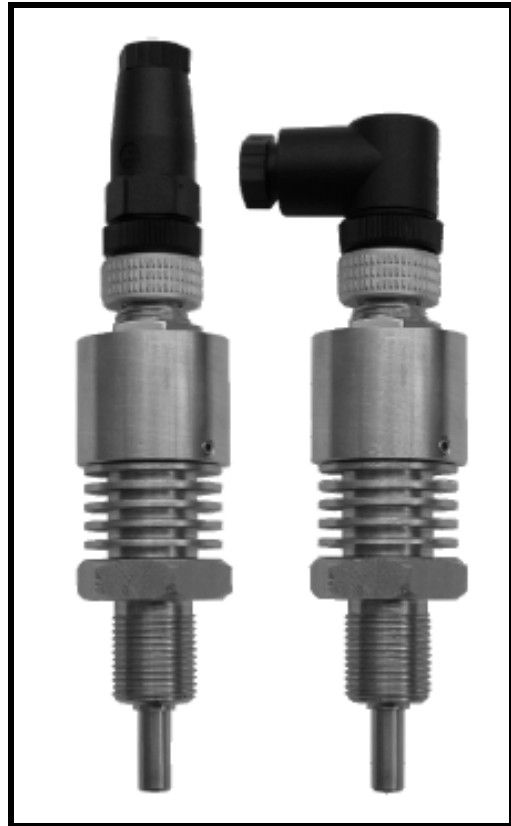
RTD Pt-100 : -50 – 200°C Pt-100 (w=1.385)
Min range : Min 50°C
Output : Two-wire, 4-20 or 20-4mA
Maximum load : 0 - 800Ω at 24VDC
Case material : Stainless steel

INSTALLATION

Supply voltage : 10 - 32 VDC +/-10%
Operating temp : -30 to 80°C
Media pressure : Max 25 bar
Wiring : 4-pin M12 or DIN 43650 contact (incl female part)
Dimension : ø30x max. 66 mm (w/o stem and connector)
Mounting tread : M16, M18, M20, 3/8", 1/2", or other
Stem diameter : 6 or 8mm
Stem length : 20 to 300mm in step 5mm
Protection class : IP65

PERFORMANCE

Accuracy : ±0.1%
Burnout : < 3.8 or > 20.2 mA, programmable
RTD error : According to the accuracy class
Interface type : RS232 requiring special cable
Software : "Tracon" Free download
EMC : EN 50081-1, EN 50082-2, EN 61326, 89/336/EEC



ORDERING CODE
BTT787-X-X-X-X-X-X-X



Diameter	Length	Connection	Material
6mm	20-300mm	Q0 M16	M1 1.4301
		Q1 M18	M2 1.4541
		Q2 M20	M3 1.4571
		Q3 G3/8"	M9 1.4404
		Q4 G1/2"	
		Q9 3/8" NPT	
		Q10 1/2"NPT	
		QZ Specify	

Tip shape	Connector	Options	Indicator
X Standard	C1A M12 angled	X None	X None
N Narrowed	C1S M12 straight	OP electro	A LED
	C7 DIN 43650	Chemically Polished	indicator



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