

- Isolated input/output 1500VAC
- Compact High Performance
- Fits Standard Small Heads (type B)
- DIN rail mounting (type C)
- 4 RTD and 6 thermocouples
- Linear current and voltage input
- Universal programmable input
- 0.1% Accuracy error
- Any Temperature Range within Limits
- Output Linear with Temperature
- Loop-powered
- Built-in digital filter
- Manual output control
- Adaptor for DIN Rail Mounting (type B)
- Accessories and Sensors Available
- Low cost

FUNCTION

The BASI intelligent isolated transmitter BTT786, is available in casings for in-head and for DIN-rail mounting as well as mounted into an IP65 protection box.

This transmitter allows the user to:

- select sensor and input signal type;
- select and adjust input range;
- perform offset correction and device calibration;
- specify input ranges and output type (4...20 mA / 20...4 mA);
- select decimal point position and measurement unit;
- select output reaction at sensor break;
- adjust the digital filter.

The BTT786 transmitter is easy to program via the specialized configuration software "TraCon". Thanks to its large capabilities and low price, BTT786 can be very useful in various industrial field applications requiring signal isolation.

SPECIFICATIONS GENERAL

Thermocouple K	: -20-1300°C
J	: -20-1000.0°C
T	: -40.0-400.0°C
R	: 0-1700°C
S	: 0-1700°C
B	: 100-1800°C
RTD Pt-100	: -100.0 – 850.0°C JIS or DIN
RTD Pt1000	: -100.0 – 600.0°C JIS or DIN
PTC 1k/2k at 25°C	: -50 – 150 °C
Current	: 0-20, 4-20mA
Voltage	: 0-100mV DC
Special	: On request, specify
Min range	: Min 50°C (Pt-100, Pt-1000 och PTC) Min 100°C (Termoelement)
Output	: Two-wire, 4-20 eller 20-4 mA
Digital filter	: Programmable
Digital peak filter	: Programmable
Isolation	: Input/output 1500VAC
Maximum load	: 0 - 750Ω at 24VDC
Weight	: 40g (B), 60g (C), 180g (D)

**INSTALLATION**

Supply voltage	: 8 - 32 VDC +/-10%
Operating temp	: -20 to 85°C
Operating temp	: 0 to 90%, non-condensing
Programmability	: with "TraCon" software
Size and weight	: D43x30mm (head mount B) 40g 18x90x58mm (rail mount C) 90g 80x80x60mm (Box IP65 D) 180g

PERFORMANCE

Accuracy error	: ±0.1%
Non linearity	: within measurement error
Burnout	: Less than 3,5 or more than 23mA
Communication	: RS232 (requires special cable type B/D cable K1, type C cable K2 Cable USB, type B/D K1U, type C cable K2U)
Cold junction comp:	: Automatic software +/-0,5°C
EMC	: EN 50081-1, EN 50082-2, 89/336/EEC
UL	: E252086

**ORDERING INFORMATION**

BTT786-X-X-X		
MOUNTING	SPECIAL INPUT CABLE	
B Headmount	S Standard	X No cable
C DIN-rail	Z Specify	1 Cable K1, K2
D IP65 box		2 Cable USB

CONNECTION DIAGRAM

