



HEAD MOUNTED TEMPERATURE TRANSMITTER

UNIVERSAL TEMPERTAURE INPUT
PROGRAMMBLE INPUT TYPE, 4-20MA OUTPUT
Model No.: MTR320

BZ ENERGO



General Specifications

TEMPERATURE TRANSMITTER HEAD MOUNTED MTR320

GS 19A16D01-01EN

Overview

MTR320 Temperature Transmitter is head mounted with universal Temperature input, transmitting the signal thermocouple, RTD sensor as 4-20ma output for with ideal solution.

Feature

- Universal temperature input, programmable flexibly
- Input signal: 10 types of thermocouples, 2 types of RTD
- Built-in cold junction compensation for thermocouple input
- Input type can be programmable flexibly by PC software
- Serial port with serial-USB cable configurable with PC software
- Output: 4-20ma, 2 wire
- Power supply: 24VDC



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Specification

Accuracy	0.1%FS	Input Type	Measured Range	Min. Range	
Response time:	1second (up to 90% of final value)	RTD	Pt100	-200 to 600℃	10℃
Input type	Thermocouple, RTD		CU50	-50 to 150℃	10℃
Cold junction compensation	-20~60℃	T.C	B	400 to 1820℃	500℃
Compensation Accuracy	±1℃		E	-100 to 1000℃	50℃
Temperature shift	0.01%FS/℃		J	-100 to 1200℃	50℃
Output	4-20mA , 2 wire		K	-180 to 1372℃	50℃
Load resistor	$RL \leq (U_e - 12)/0.021$		N	-180 to 1300℃	50℃
Current output	I _H =21mA、I _L =3.8mA (when high-low alarming limiting over)		R	-50 to 1760℃	500℃
Current when alarming	21mA (when input is in open circuit)		S	-50 to 1760℃	500℃
Earthquake resistance:	4g/2 to 150HZ		T	-200 to 400℃	50℃
Max Load:	max. (V power supply-7.5V)/		Wre325	0 to 2315℃	500℃
	0.022A (current output)		Wre526	0 to 2310℃	500℃
Installation	Head of B type box	Power supply	U=12V to 40Vdc		
IP protection	P00; IP66 (mounted)	Working temperature	-40 to 85℃		
		Storage temperature	-40 to 100℃		

Electrical Connection

Size(mm)	Installation
Diagram	
Configuration by USB cable with PC software for input type, range setting	
<p>Notes: USB cables is used for PC software configuration, the external 24VDC power supply is not required when configuration</p>	