

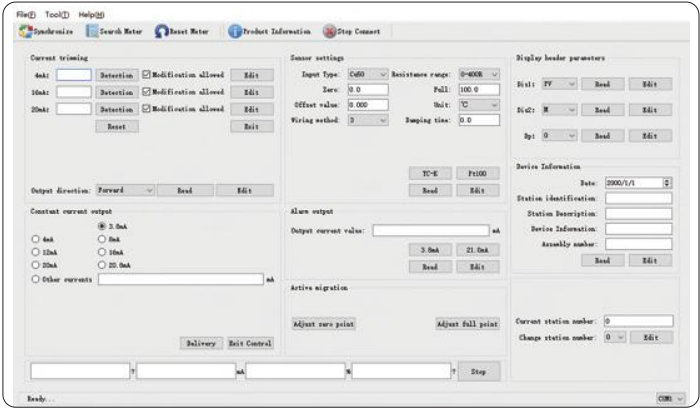
TEMPERATURE TRANSMITTERS (HEAD-MOUNTED TYPE)

- Multiple RTD and thermocouple inputs
- Multiple signal outputs
- Built-in cold-junction compensation
- Excellent vibration resistance and anti-interference performance
- Suitable for petroleum, chemical, power, metallurgy, pharmaceutical, food, water treatment etc



0360-DT03

temperature transmitter commissioning software (optional)



SPECIFICATION

Code		0360-DT01	0360-DT02	0360-DT03	0360-DT04
Input	input signal	RTD, thermocouple (TC)			
	cold junction compensation	-20°C~60°C			
	temperature range	-20°C~60°C			
Output	compensation accuracy	±1°C			
	output signal	4~20mA			
	load resistance	≤(Ue-12)/0.021			
Data transmission	output signal	4~20mA			
	load resistance	≤(Ue-12)/0.021			
	overrange alarm output current (upper/lower limit)	Upper: 21mA, Lower: 3.8mA			
Data transmission		—		HART protocol	MODBUS-RTU protocol
Interface		mini-USB port		—	RS485 port
Temperature drift		0.02%FS/°C		0.0075%FS/°C	
Response time (T ₉₀)		1s		700ms	1s
Vibration resistance		4g/2Hz~150Hz			
Mounting angle		unlimited			
Mounting area		type B top box mounting			
Dielectric strength (between input and output)		—			
Insulation resistance (between input and output)		1500Vrms (1min, no spark)			
EMC		≥100MΩ (500VDC)			
Operating temperature		IEC 61326-1			
Storage temperature		-40°C~80°C			
Power supply		-40°C~100°C			
Dimension		DC 12~40V			
Net weight		DC 12~32V			
		Ø44×21mm			
		40g			

*Ue: power supply voltage

INPUT SIGNAL SPECIFICATION

Type		Measuring range	Minimum setting range	Accuracy (take the larger value)*
Resistance temperature detector (RTD)	Pt100	-200.0°C~850.0°C	20°C	±0.1% of the set range or ±0.2°C
	Cu50	-50.0°C~150.0°C	20°C	±0.1% of the set range or ±0.2°C
Thermocouple (TC)	B	400°C~1800°C	500°C	±0.1% of the set range or ±1.5°C
	E	-100°C~1000°C	50°C	±0.1% of the set range or ±0.5°C
	J	-100°C~1200°C	50°C	±0.1% of the set range or ±0.5°C
	K	-180°C~1372°C	50°C	±0.1% of the set range or ±0.5°C
	N	-180°C~1300°C	50°C	±0.1% of the set range or ±0.5°C
	R	-50°C~1768°C	500°C	±0.1% of the set range or ±1.5°C
	S	-50°C~1768°C	500°C	±0.1% of the set range or ±1.5°C
	T	-200°C~400°C	50°C	±0.1% of the set range or ±0.5°C
	Wre3-25**	0°C~2315°C	500°C	±0.1% of the set range or ±1.5°C
	Wre5-26**	0°C~2310°C	500°C	±0.1% of the set range or ±1.5°C

* accuracy specifications are measured at an ambient temperature of 20°C±2°C

for thermocouple measurement, cold junction compensation error shall be added, internal cold junction compensation error ≤±1°C

** only 0360-DT01 has those functions

STANDARD DELIVERY

Main unit	1 pc
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OPTIONAL DELIVERY

Code	0360-DT01	0360-DT02	0360-DT03	0360-DT04
Communication cable and commissioning software	0360-DT01-CS	0360-DT02-CS	0360-DT03-CS	0360-DT04-CS