

Features

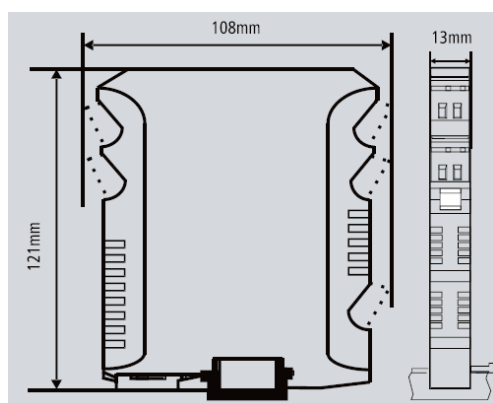
- Universal Input
- 2 wires 4-20ma output
- Input and range configurable via handheld device
- Built-in cold junction compensation
- Standard DIN rail mount
- Over range input break detection and alarm

Technical Parameters

	TT-311	TT-312	TT-313
Sensor type	Pt100,Cu50,Cu100,T,E,J K,N,R,S,B	Pt100,Cu50,Cu100,T,E,J K,N,R,S,B	Pt100,Cu50,Cu100,T,E,J K,N,R,S,B
Cold end junction compensate range	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C
Compensate accuracy	±1°C	±1°C	±1°C
Output	4-20mA	4-20mA	4-20mA with Hart
Load resistance	$RL \leq (U_e - 12)/0.021$	$RL \leq (U_e - 12)/0.021$	$RL \leq (U_e - 12)/0.021$
Over range alarm value	IH=21mA IL=3.9mA	IH=21mA IL=3.9mA	IH=21mA IL=3.9mA
Input break output current value	21mA	21mA	21mA
Power supply	20~32VDC	20~32VDC	20~32VDC
Accuracy(ambient 20°C)	0.1% F.S	0.1% F.S	0.1% F.S
Temperature drift	0.01% F.S/°C	0.0075% F.S/°C	0.0075% F.S/°C
Response time	1ms to 90% of maximum output	0.5ms to 90% of maximum output	0.5ms to 90% of maximum output
Input/output isolation strength	1500VAC 1min	1500VAC 1min	1500VAC 1min
Input/output impedance	≥100MΩ 500V	≥100MΩ 500V	≥100MΩ 500V
EMC standard	IEC 61326-1	IEC 61326-1	IEC 61326-1
Working temperature	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C
Mounting	IEC 61326-1	IEC 61326-1	IEC 61326-1
Dimension	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C



Dimensions



Wiring Diagram

