

AEH500 Head mount Two wire Transmitter

FEATURE

- Accuracy: T/C: 0.3% Pt100Ω: 0.15%
- Wide selection of input with difference sensor type & range
- Dimension small
- Low output ripple
- High stability & low cost
- Detachable terminal blocks



SPECIFICATION

Input Range	Input Impedance	Output Range	Load Resistance
Pt100Ω -100 ~ 800 °C (Programming by DS)	≥ 10M ohm	4 ~ 20 mA (2 wired)	≤ (Vs-16) / 20mA (ohm)
Type K 0 ~ 1200 °C	≥ 1M ohm		
Type J 0 ~ 1000 °C	≥ 1M ohm		
Type E 0 ~ 800 °C	≥ 1M ohm		
Type T -50 ~ 400 °C	≥ 1M ohm		

Accuracy: T/C (K, J, E, T): ± 0.3% of F.S.
RTD (Pt100): ± 0.15% of F.S.

Response time: ≤ 300 msec.

Span adjustment: ≤ 20% of F.S.

Zero adjustment: ≤ 10% of F.S.

Output ripple: ≤ 0.3% of F.S.

Power

Power Supply: DC 20 ~ 36V (12V Min)

Open circuit Response: Upscale > 22mA

Environmental

Operating temperature: 0-60 °C

Operating relative humidity: 20-95 %RH

Temperature coefficient: ≤ 100 PPM/°C

Cold junction: 25 ± 10 °C, error ≤ 0.5 °C

Storage temperature: -10-70 °C

Mechanical

Dimensions: 42(D)mm x 31(H)mm

Housing: ABS fire-extinguishing

Terminals: Screw terminal, ≤ 2.5mm² wire / AWG 14
Detachable Terminal Blocks for easy wiring

Mounting: DIN B-head or larger

Weight: 50g

ORDERING INFORMATION

AEH500 - Input Type - Input Range

RTD	THERMOCOUPLE				CODE	TEMPERATURE RANGE
P	K	J	E	T		
●				●	A	-50 ~ 100 °C
●					B	-10 ~ 40 °C
●	●	●	●	●	C	0 ~ 50 °C
●	●	●	●	●	D	0 ~ 100 °C
●	●	●	●	●	E	0 ~ 200 °C
●	●	●	●	●	F	0 ~ 400 °C
●	●	●	●	●	G	0 ~ 500 °C
●	●	●	●	●	H	0 ~ 600 °C
●	●	●	●	●	I	0 ~ 800 °C
●	●	●			J	0 ~ 1000 °C
	●				K	0 ~ 1200 °C
	●				L	0 ~ 1500 °C
					M	400 ~ 1600 °C
					O	Specify

ADJUSTMENT

THERMOCOUPLE INPUT :

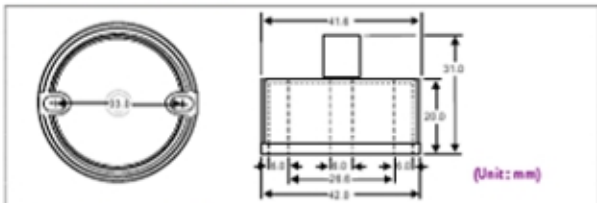
ZERO: Zero Adjust Pot (Clockwise: up increase)

SPAN: Span Adjust Pot (Clockwise: up increase)

PT 100Ω INPUT :

Input	0 ~ 100 °C	0 ~ 200 °C	0 ~ 300 °C	0 ~ 400 °C	0 ~ 500 °C	0 ~ 600 °C	0 ~ 800 °C	0 ~ 1000 °C	0 ~ 1200 °C	0 ~ 1500 °C
Span	4.00	8.00	12.00	16.00	20.00	24.00	32.00	40.00	48.00	60.00
Zero	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DIMENSIONS



WIRING DIAGRAM

