

TM - 2HLI

2-WIRE TEMPERATURE TRANSMITTER (Head mount, loop powered, isolated)

This versatile, compact transmitter accepts a range of temperature inputs without the use of jumpers, making it ideal for a variety of temperature applications.

Current output 4-20mA or 20-4mA

Supply voltage 36V max

Operating temp. -20-+65°C

USB prog. zero 0-±99% of span

RTD INPUT

Sensor types RTD Pt100/Pt1000,
3-wire (or 2-wire with
offset cal)

Sensor current 0.15mA nominal

Lead resistance

Pt100 10Ω/wire MAX

Pt1000 5Ω/wire MAX

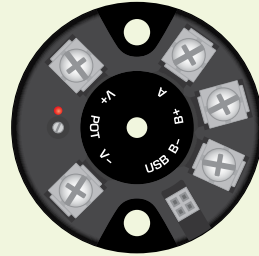
(0.02% FSO offset error per Ω)

Accuracy ≤0.3°C

Linearity

Pt100 0.02% FSO (for ≤200°C)
0.1% FSO (for ≤850°C)

Pt1000 0.02% FSO (for ≤200°C)
0.2% FSO (for ≤520°C)



- USB port (requires TM - USB kit - see p.8)
- Status LED: Flashing=Normal, On=Fault
- Potentiometer for fine offset adjustment of current output
- Head-mount case
44 x 44 x 23mm (H x W x D)

T/C INPUT

Sensor types B, E, J, K, N, R, S, T

Input impedance 1MΩ MIN

Lead resistance 100Ω MAX

Cold junction -20-+90°C

Accuracy

E, J, K, N, T <±1°C

B, R, S <±2°C

Temperature drift

E, J, K, N, T <±0.05°C

B, R, S <±0.2°C

CJC error <±1°C

CODE	DESCRIPTION
TM - 2HLI	2-wire temperature transmitter (head-mount, isolated) Powered by 4-20mA current loop input signal
TM - USB	Reusable communications kit containing: USB programmer, head mount adaptor, transmitter/programmer interface cable and USB extension cable (See p.8 for more info.)