

## TM - 2HL

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

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

#### Input range

RTD	PT100, PT1000,
Thermocouple	B, E, J, K, L, N, R, S T or custom type

**Operating temp.** -20-+80°C

**Supply voltage** 36V max

#### -----OUTPUT-----

**Current output** 4-20mA or 20-4mA

**Temp. coefficient**  $\leq \pm 0.01\%$  of span/°C

**Resistance** Output load  
resistance 50Ω/V  
above 7V

**Response time** 0-90%, 100-10%  
<1sec

**Resolution** 0.5μA

**Accuracy**  $\leq \pm 0.1\%$  of span

**Max load** 1200Ω (at 20mA  
with 36V input)

**Load stability**  $\leq 0.01\%$  of  
span/100Ω



- **USB port**  
For use with TM - CH communications kit
- **Potentiometer**  
For fine offset adjustment of the current output
- **Head-mount case**  
44 x 44 x 23mm (H x W x D)

CODE	DESCRIPTION
TM - 2HL	2-wire temperature transmitter (head-mount, unisolated) Powered by 4-20mA current loop input signal
TM - CH	Reusable communications kit (includes USB interface cable and software)