

Transmitter for Copper Thermometers

OC35 - Cu

- √ **Cu Sensor $0.2\Omega/^{\circ}\text{C}$**
- √ **Range $-20 \dots +100^{\circ}\text{C}$**
- √ **Linear Analogue Output**
4-20mA or 0-10V
- √ **For 35 mm DIN Rail**
- √ **Supply 230V AC or 24V DC**

OC35-Cu is a transmitter for connection to copper temperature sensors. It converts the temperature depending sensor resistance into a linearized analogue output 4-20mA or 0-10V.

The output signal is optically isolated from the input and the supply.

The linearizing method utilises an analogue Linearizer with accuracy of 0.1% of the full range.

The sensors can be connected with 2, 3 or 4 terminals. The entire range covers $-20 \dots 100^{\circ}\text{C}$. Sub-ranges can be ordered.

The Transmitter is supplied from 230V AC or 24V DC.



SPECIFICATIONS

Input:	Cu Sensor with $46.33 \Omega @ 0^{\circ}\text{C}$	
Measuring Range:	- 20 ... + 100 °C. Customized ranges are available upon demand.	
Connections:	2, 3 or 4 terminals	
Accuracy:	$\pm 0.1\%$ from Range	
Output:	Voltage Output:	0 ... 10V isolated by 250V r.m.s. or
	Current Output:	4 - 20mA isolated by 250V r.m.s.
Supply:	Standard:	230V $\pm 10\%$, 48 - 60Hz, 2VA.
	Option DC:	24V DC $\pm 10\%$, 18-36VDC or 9-36VDC
Cabinet:	For 35mm DIN rails. Dimensions: 75 x 79 x 40 mm. Weight 200 g.	
Terminals:	Pluggable Screw Terminals	