

TAP POSITION



TECHNICAL SPECIFICATION

INPUT

Rated range	min. 100 ohms.... max. 20 kOhms
Sensor current	min. 50uA.... max. 10mA
Sensor voltage	<1 Volt
Working range	0-125% Rn

OUTPUT

Rated value mA	0-1/5/10/20 & 4-20mA
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Rated value volts	0-5 / 10 & 1-5 V
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ADJUSTMENT

Zero	±2%
Span	±10%

AUXILIARY

A.C. Voltage	115 / 230 / 400 V (± 25% / 45-65 Hz / < 2VA)
D.C. Voltage	24 / 48 / 110 V (± 20% / galvanically isolated / <3W)

WEIGHT & CASE SIZE Approx. 0.4 kg. 55 mm case

NOTE

No isolation is provided between input and output

SELECTION GUIDE

M100-TAP Resistance measurement

TYPICAL APPLICATIONS

The M100-TAP measures the value of resistance on tap position changers, typically used on high voltage transformers. Each position on the selector has an equal value of resistance so that as the tap position is increased or decreased the value of resistance increases or decrease respectively. The M100-TAP measure the value of this resistance and provides an output proportional to the value of the number of taps selected.

The M100-TAP can also be used to measure variable resistance 2 or 3 wire systems.

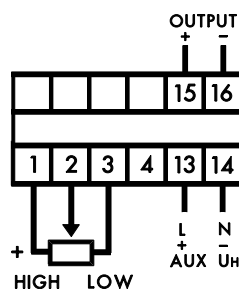
ORDERING INFORMATION

Product Code	No Taps	Output	Aux.	Freq.	Options
M100-TAP	10	5 mA	230V	50Hz	

OPTIONS

1. Non standard inputs / outputs only as far as technically acceptable.
2. A.C. Auxiliary in range 57.7 to 450 volts
3. Calibration at temperature other than 23°C

CONNECTION DIAGRAM



M100-TAP