# *TAP POSITION*


## 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.*

## 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* |
| *Rated value volts* | *0-5 / 10 & 1-5 V* |
| *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*

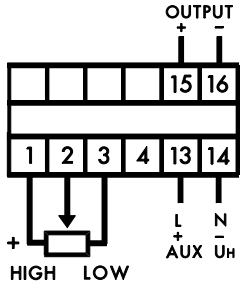
## ORDERING INFORMATION

| *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**