

REMOTE RESISTANCE



TECHNICAL SPECIFICATION

INPUT

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

OUTPUT

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

ADJUSTMENT

Zero	0-35%
Span	65-100%

AUXILIARY

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

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

NOTE

No isolation is provided between input and output

SELECTION GUIDE

M100-RPN Resistance measurement

TYPICAL APPLICATIONS

The M100-RPN is designed to measure the resistance of 3 wire potentiometers, where the resistance value is proportional to the position of the wiper of the potentiometer. The output value from the M100-RPN is directly proportional to the resistance value at the wiper.

A typical application is monitoring remote resistance of potentiometer used in manual valve control.

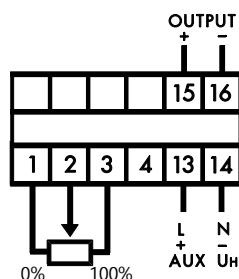
ORDERING INFORMATION

Product Code	Input	Output	Aux.	Freq.	Options
M100-RPN	2 kOhm	0-20mA	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-RPN