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YOU CAN
CONTROL IT.



A Company Founded by
Alumni of IIT, Bombay.



RESISTANCE METER

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Brand Promise
360°
Accurate



CC-3104
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RESISTANCE METER



AAROHI Resistance meter measure a wide range of resistance values at a high level of accuracy. RM2K20 is a high-precision, portable resistance meter capable of measuring resistance with extremely high accuracy with low ambient temperature effect.

This is ideal for the testing and maintenance of Electric motors, Pump sets & other equipment with windings. This Instrument is based on the Kelvin 4- wire connection method for measurement of low resistance.

Specification

Parameter	Description
Model	250 mA
Range	RM2K20C
Least count	0.0001 Ω , 0.001 Ω , 0.01 Ω , 0.1 Ω respectively for above range
Measurement current rating	For 2000 Ω : 100 Micro Amp., 200 Ω : 1 mA, 20 Ω : 10 mA, 2 Ohms-110 mA
Range change over	Auto ranging by mosfet based static design to avoid contact resistance
Resolution	4 1/2 digit
Electronic design concept	Pic 24- Microchip - 16 bit controller with emi/ emc compatibility
Protection	Back emf
Zeroising method	Digital
Measurement method	4 wire resistance measurement
Sampling rate	128 samples/sec
Current control	Isolated current channel
Computer Interface	RS 485/232
Warm up time	5 Minute



Application

- Production line or QA testing of electric motors.
- Winding testing for a motor manufacturer.
- Development and evaluation for home appliances.
- For fault finding/ Maintenance in electric/ Electronic component
- Evaluation of equipment such as induction heaters/cookers
- Ideal for online testing.

Features

Features	Benefits
Highly accurate.	Ideal to test motors as per IEC 61000-4-7 Class I and Class II Accuracy & other IES/ ISO/ ISI standards.
Based on kelvin 4- wire measurement method.	Gives error-free measurement even in online measurement through Contractor logic.
RS-485 computer interface.	Easy to interface with PC for data logging.
Auto ranging.	Eliminate effect, ambient temp.
Zero Adjustment (Help to Nullify cable / Probe resistance).	Gives the best accuracy with help of automatic detection of range.

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