

Model PC9

Digital Milli-Ohmmeter

Accuracy to $\pm 0.1\%$ 

The PC9 provides resistance measurement over six selectable ranges from $20\text{m}\Omega$ to $2\text{k}\Omega$. It is equally suitable for resistance measurement where inductance is also present.

A high sensitivity specification makes the PC9 highly suitable for the precision measurement of low resistance. Practical and easy to use, the instrument is ideal for laboratory and test environments. The four-terminal measurement method used eliminates errors due to the resistance of the test leads. Special circuitry achieves measurements in a fraction of the time possible when using more traditional bridge techniques. In addition the PC9 offers a range holding facility which further reduces measurement time for components of similar values.

Use of precision manufactured components enables a high degree of accuracy. The PC9 measures directly in ohms and resistance is displayed on a large LED 4 digit screen. The instrument comes complete with Kelvin type test leads.

Applications include:

- Cable joints
- Earth bonds
- Switches
- Motors
- Transformers
- Generators

Model PC9

High sensitivity

Wide measurement scope

Four wire measurement

Rapid reading time

Small temperature coefficient

Long term stability

Range	Nominal value	Resolution	Current	Accuracy
1	20mΩ	10μΩ	625mA	± 0.1%
2	200mΩ	100μΩ	625mA	± 0.1%
3	2Ω	1mΩ	100mA	± 0.1%
4	20Ω	10mΩ	100mA	± 0.1%
5	200Ω	100mΩ	10mA	± 0.1%
6	2kΩ	1Ω	1mA	± 0.1%

Supplies

Mains input

External mains - 9 volt DC adapter

Environment

Working: 5 to 40°C : RH > 80% non-condensing

Storage: -5 to 50°C : RH > 95% non-condensing

Dimensions

250mm x 95mm x 255mm

Weight

1.8kg

Input connections

4mm sockets for current and potential

Calibration

Internal digital calibration

Supplied with Certificate of Conformity



Tinsley
Precision Instruments

In accordance with our policy of continual improvement the specifications of the products within this brochure can possibly change without notice.

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