

Model ZY9858

Digital Micro-Ohmmeter

Precision Instruments

Accuracy to $\pm 0.05\%$



With a maximum test current of 10 Amperes. The ZY9858 provides resistance measurement over seven selectable ranges from $2\text{m}\Omega$ to $2\text{k}\Omega$.

The high sensitivity specification offers a resolution of $0.1\mu\Omega$ making the ZY9858 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 which can occur due to the resistance of the test leads. Special circuitry is employed to achieve measurements in a fraction of the time possible when using more traditional bridge techniques. The instrument is fitted with safety features to give protection when measuring inductive devices such as transformers and electric motors.

Precision manufactured components give a high degree of accuracy. The ZY9858 measures directly in ohms and resistance is displayed on a large LED screen to $4\frac{1}{2}$ digit resolution. The instrument comes complete with Kelvin type test leads.

Applications include:

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

Model **ZY9858**

High sensitivity

Wide measurement scope

Four wire measurement

Internal calibration

Rapid reading time

Small temperature coefficient

Long term stability

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Range	Nominal value	Full Range Display	Resolution	Current	Accuracy
1	2mΩ	0-1.9999mΩ	0.1μΩ	10A	± 0.5%
2	20mΩ	0-19.999mΩ	1μΩ	1A	± 0.5%
3	200mΩ	0-199.99mΩ	10μΩ	1A	± 0.2%
4	2Ω	0-1.9999Ω	100μΩ	100mA	± 0.1%
5	20Ω	0-19.999Ω	1mΩ	100mA	± 0.05%
6	200Ω	0-199.99Ω	10mΩ	10mA	± 0.05%
7	2kΩ	0-1.9999kΩ	100mΩ	1mA	± 0.05%

Supplies

Mains input socket
115V or 220V ±10% 50-60 Hz

Environment

Working: 5 to 40°C : RH > 80% non-condensing
Storage: -5 to 50°C : RH > 95% non-condensing

Dimensions

250mm x 110mm x 285mm

Weight

2.2kg

Input connections

4mm sockets for current and potential

Calibration

Internal digital calibration
Supplied with Certificate of Conformity



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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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