

Model QJ84

Digital Resistance Test Instrument

Precision Instruments

Accuracy to $\pm 0.05\%$



The QJ84 provides resistance measurement over seven selectable ranges from $20\text{m}\Omega$ to $20\text{k}\Omega$.

A high sensitivity specification makes the QJ84 highly suitable for the precision measurement of low resistance. Practical and easy to use, the instrument is ideal for laboratory and test environments. A four-terminal measurement feature eliminates errors which can occur due to the resistance of the test leads. The special circuitry of the QJ84 achieves 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 QJ84 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

Model QJ84

High sensitivity

Wide measurement scope

Four wire measurement

Internal calibration

Rapid reading time

Small temperature coefficient

Long term stability

Range	Nominal value	Full Range Display	Resolution	Current	Accuracy
1	20m Ω	0-19.999m Ω	1 $\mu\Omega$	1A	$\pm 0.5\%$
2	200m Ω	0-199.99m Ω	10 $\mu\Omega$	1A	$\pm 0.2\%$
3	2 Ω	0-1.9999 Ω	100 $\mu\Omega$	100mA	$\pm 0.1\%$
4	20 Ω	0-19.999 Ω	1m Ω	100mA	$\pm 0.05\%$
5	200 Ω	0-199.99 Ω	10m Ω	10mA	$\pm 0.05\%$
6	2k Ω	0-1.9999k Ω	100m Ω	1mA	$\pm 0.05\%$
7	20k Ω	0-19.999k Ω	1 Ω	0.1mA	$\pm 0.05\%$

Supplies

Mains input socket
115V or 220V $\pm 10\%$ 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



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

Tinsley
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