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AC/DC PRECISION CAPACITANCE TEST SET
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AC/DC PRECISION CAPACITANCE TEST SET SPECIFICATIONS

CAPACITANCE MEASUREMENT

Ranges

•0.00PF to 39.99 KpF

Accuracy

•AC CAP greater of +/- 0.1% of reading or 0.05 pf.

•DC CAP greater of +/- 0.2% of reading or 0.05pf

Range	Measurement Range	Resolution
Low	0.00 pF – 199.99pf	0.01pF
Medium	200.0 pF – 1,999.9 pF	0.1 pF
High	2,000 pF – 19,999.9 pF	1pF
Extended	20.00 KpF – 39.99 KpF	1pF

CAPACITANCE SIMULATION

Accuracy

•Greater of +/- 0.2% of reading or 0.2 pF

Mole Simulation Range

TU 0 pF – 11,990 pF

COMP 0 pF – 1,190 pF

AUX 10pF – 11,990 pF

RESISTANCE MEASUREMENT

Accuracy

•Greater of +/- 2% of reading or 0.1 Ω

•1999 Megohm range: +/- 5% of reading.

•Conductance reading range: Greater of +/- 20% of reading or 0.02 nanosiemens.

+/- 20%

Range	Resistance Range	Resolution
*Low Voltage	0.000 Ω - 19.999 Ω	0.001 Ω
Lo w	0.00 Ω - 199.99 Ω	0.01 Ω
Medium Ohm	200.0 Ω - 1,999.9 Ω	0.1 Ω
High Ohm	2.000 K Ω - 19.999 K Ω	1 Ω
Extended Ohm	20.00 K Ω - 199.99 K Ω	10 Ω
Low Mohm	200.0 K Ω - 1,999.9 K Ω	100Ω
Medium Mohm	2.000 M Ω - 19.999 M Ω	1K
High Mohm	20.00 M Ω - 199.99 M Ω	10K Ω
Extended Mohm	200.0 M Ω - 1,999.9 M Ω	100K Ω
High Ext. Mohm	2,000 M Ω - 19,990 M Ω	1M Ω
Conductance	.0000 nS – 1.0000 nS	.0001nS

DC VOLTAGE MEASUREMENT

Range

+/- 50.00 VDC

Accuracy

Greater of +/- 1% of reading or 0.02 VDC

Resolution

0.01 VDC

DTF (DISTANCE-TO-FAULT) MEASUREMENT

Range

0 pF – 39.99 KpF

Accuracy

Greater of +/- 0.2% of reading or 1 pF

TEMPERATURE

Operating

-20°C - + 55 °C

Storage

-51 °C - + 71 °C



ALTITUDE

OPERATING]

15,000 ft (4600 m) maximum

POWER REQUIREMENTS

INPUT

90-264 VAC @ 47-400HZ

BATTERY

1 Rechargeable 12 VDC Sealed Lead Acid

OPERATION

8 hours continuous across normal operating range

CHARGE TIME

8 hours max

PHYSICAL CHARACTERISTICS

SIZE

13.00" x 16.00" x 6.87"

(33.0 cm x 40.6 cm x 17.4 cm)

ADDITIONAL FEATURES

•Safety vent designed to properly vent battery in case of failure of battery.

•Case waterproof to depth of 1m for 30 minutes (when properly closed) per IPG7.

•Full alpha numeric display.