

SmartZ™ 100

RECORDING BATTERY METER

A Versatile Portable Battery Voltage &
Impedance Meter with Data Storage



- All Battery Capacities
- Impedance & Voltage “at the same time”
- On-line (live) Measurement
- Auto Ranging & Polarity Insensitive
- Indicates Battery Health

Ideal for the
Operation & Maintenance
of Battery Systems



Expertise & Technology At its Best

SmartZ™ 100

RECORDING BATTERY METER

A portable, precision, storage meter that's invaluable for use in commissioning, maintenance and fault finding of battery systems.

Key features include:

- Voltage and Impedance measurements
- In-circuit measurement of lead-acid and NiCd batteries
- Standalone impedance (Z) measurement of battery or intercell connection (no external current injection required)
- Two dual probes provide all measurements
- Fail-safe protection - auto ranging and polarity insensitive
- Large internal memory
- Simple menu driven operation
- Internal data analysis with exception testing against uploadable thresholds
- Measure DC voltages up to 60V
- Small and lightweight portable meter

Accessories:

- Clip-on alligator type probes (standard)
- Dual point probes (optional)
- Shoulder carry bag for hands-free operation (optional)

Price A\$

Ex works. Excludes taxes & charges.

Specifications (preliminary):

Measurement

- DC voltage, 40mV to 60V FS
- Impedance, 50 $\mu\Omega$ to 100m Ω FS
- 100 $\mu\Omega$ to 200m Ω FS option available

Accuracy

- $\pm 0.2\%$ DC voltage
- $\pm 1\%$ Impedance

Resolution

- $\pm 0.3\%$ FS DC voltage
- $\pm 0.3\%$ FS Impedance

Data acquisition

- Measurement duration 1.5 seconds
- 1,200 time-stamped readings in memory

Physical

- 1.2kg (2.6 lb)
- 250 x 160 x 75mm (10 x 6.3 x 3in)

I/O

- RS-232 interface for downloading or printing of stored data

Power

- Internal 8xAA rechargeable NiMH battery
- > 600 readings per charge
- AC charger (plug-pack) supplied



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