

DATA SHEET

TRU-REF 1000 HIGH INPUT IMPEDANCE VOLTMETER

The monitoring of reference potentials in concrete or dry sand can be significantly influenced by cell loading using a standard 10 megohm voltmeter.

This is because reference cells in concrete applications have been seen to be particularly susceptible to error due to high source impedance.

The TRU-REF 1000 overcomes this problem by measuring the cell voltage at two impedances. By comparing the voltage at say 10 megohms and 1000 megohms, the true (infinite impedance) potential and cell source impedance can be calculated.

Reference cells that have an unacceptable error can be noted and / or discarded.

[DOWNLOAD THE CELL IMPEDANCE CALCULATOR ON OUR WEBSITE](#)

FEATURES

- **HAND HELD & LIGHTWEIGHT**
- **EASY TO USE & READ**
- **ACCURATE**
- **DUAL RANGE 2V / 5V**
- **10 / 100 / 1000 MEGOHM IMPEDANCE**
- **BATTERY TEST**
- **BATTERY COMPARTMENT**
- **2 x 9V BATTERIES**
- **SIZE (mm) 170x85x35**
- **INCLUDES TEST LEADS**

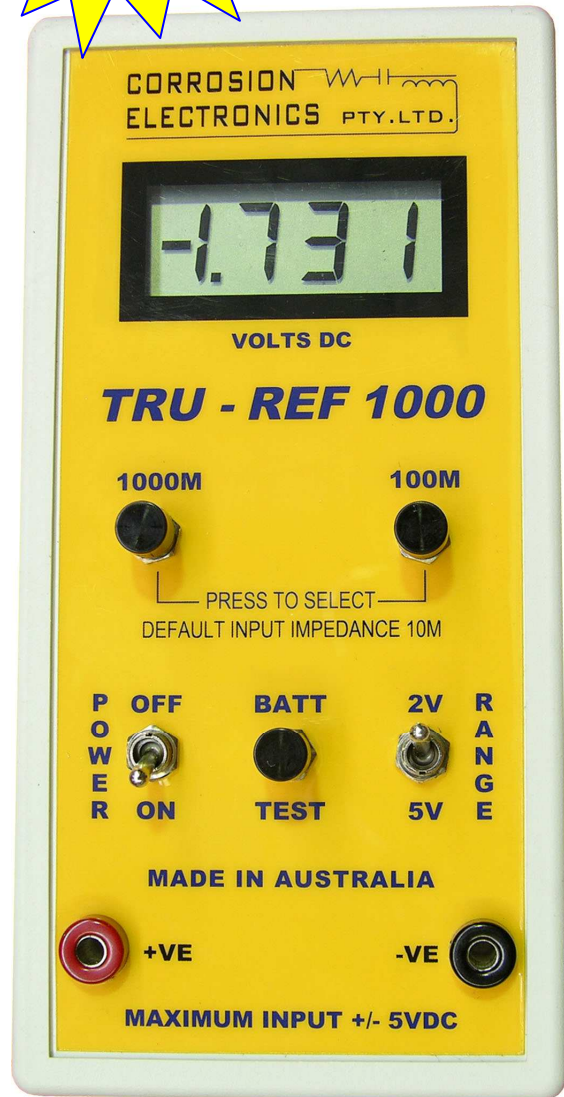
MEASURING ACCURACY

DC VOLTS

2V range	less than +/- 0.1% nom. error
5V range	less than +/- 0.1% nom. error
IMPEDANCE	less than +/- 0.5% nom. error

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