



CAL5000 & CAL5000LT

Calibration Verification System

1000:1 Voltage Divider Readout - Multi-meter Range Extender

The CAL5000 also includes an internal 1000:1 Voltage Divider. This divider gives the CAL5000 the ability to be used with a standard digital multi-meter as a voltage display. In order to verify calibration of higher voltage test equipment with a standard multi-meter, this calibrated read out circuit is necessary.

Intended Use

Periodic verification of electric motor test equipment indicated values. Including, but not limited to the following types of equipment:

- Insulation testers
- Meg-Ohm Meters
- Continuity Testers
- AC/DC High Potential Testers
- Surge Testers that have Meg-Ohm or HiPot function
- Digital Multimeters & DLRO's
- Other motor test equipment such as Motor Circuit Evaluations devices (MCE)

The CAL5000/CAL5000LT is a passive device designed to help maintenance professionals verify the calibration of their leading vendor's electric motor test equipment. This device is of high value to companies that wish to self certify the performance of their electric motor test equipment. Technicians or engineers can quickly verify performance of their equipment versus this calibrated apparatus. It is intended to help avoid the shipment of expensive, sensitive test equipment, and is provided in a rugged transport shipment case, for its own periodic certification need.

This self contained device carries an array of traceable and certified calibrated resistance values. The values contained in the device enclosure are selected based upon those generally required for verification of several leading manufacturer's electric motor test equipment. The CAL5000 device carries an NIST traceable calibration certificate. A multi-vendor adapter test lead kit is furnished with the unit.

The CAL5000LT (Lite) is ideal for double checking results and to pre-test/verify field test equipment.



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Standard Resistance Values

Low Ohm Resistance Values	Meg Ohm Resistance Values
0.0010 $\Omega \pm 1\%$	1.0 M $\Omega \pm 1\%$
0.0100 $\Omega \pm 1\%$	10.0 M $\Omega \pm 1\%$
0.1000 $\Omega \pm 1\%$	20.0 M $\Omega \pm 1\%$
0.3 $\Omega \pm 1\%*$	50.0 M $\Omega \pm 1%*$
1.000 $\Omega \pm 1\%$	100.0 M $\Omega \pm 1\%$
4.000 $\Omega \pm 1\%$	200.0 M $\Omega \pm 1\%$
10.000 $\Omega \pm 1\%$	1000.0 M $\Omega \pm 1\%$
50.00 $\Omega \pm 1\%$	10000.0 M $\Omega \pm 1\%$
100.0 $\Omega \pm 1\%$	*CAL5000LT only
200.0 $\Omega \pm 1\%$	

Benefits of Use

- Huge time savings: No waiting on shipping or product manufacturer to clear schedule
- Cost savings: Greatly reduced production downtime due to no shipping for annual calibration verification
- Ability to audit internal equipment function (ie: before every shift or monthly vs. yearly)
- No risk of shipping damage to expensive capital equipment
- Verify multiple instrument readings to ensure viable results at different plant locations
- Verify performance of rental equipment
- **NIST traceability**
- 1000:1 voltage divider to be able to easily verify performance of higher voltage test equipment

Optional Available Equipment & Supplies

- MTX3281B or equivalent Digital Multi-Meter for Readout Function.
- Multiple sheets of calibration verification stickers.
- PT9800PCN Thermal Label printer, for printing verification stickers.



Super portable for checking on-site with CAL5000LT



Offered and Distributed by:



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