

Finding a Way to Provide
Solutions that Increase Efficiency

CAL5000 Calibration Verification System



Calibration Solutions for Electrical Test Equipment





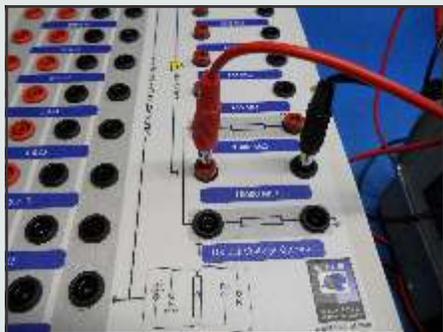
MOVE YOUR TESTING PROGRAM FORWARD

CAL5000 - CAL5000LT - CAL5000S

Calibration Verification System: Self certification or in process periodic evaluation of equipment. Carries NIST traceability to meet EASA®, IEEE® and other organizational requirements.



KEEPING TEST EQUIPMENT ACCURATE



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.

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 readout is necessary.

Quickly and easily calibrate multiple instruments and not have to worry about shipping expensive equipment and risking damage.

+ BENEFITS OF USE

Low Ohm Resistance Values	Meg Ohm Resistance Values
0.0010 Ω ± 1%	1.0 MΩ ± 1%
0.0100 Ω ± 1%	10.0 MΩ ± 1%
0.1000 Ω ± 1%	20.0 MΩ ± 1%
0.3 Ω ± 1%*	50.0 MΩ ± 1%*
1.000 Ω ± 1%	100.0 MΩ ± 1%
10.000 Ω ± 1%	200.0 MΩ ± 1%
50.00 Ω ± 1%	1000.0 MΩ ± 1%
100.0 Ω ± 1%	10000.0 MΩ ± 1%
200.0 Ω ± 1%	*CAL5000LT only

- 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



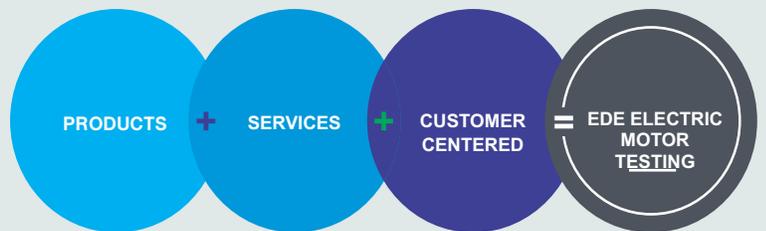
CAL5000S Surge Readout/Reflective Voltage Spike Measurement Device

The CAL5000S allows for the calibration verification of surge testers. The high frequency nature of the surge pulse requires a probe with suitable bandwidth. These high voltage probes can be purchased through EDE. 1000:1, 100:1 or 10:1 dividers allow easy measurement of high frequency voltages. This includes surge testers, VFD output voltage or shaft voltage via probe or CT.

CAL5000LT Tool Box Calibration Verification

The CAL5000LT is ideal for double checking results and to pretest/verify field test equipment. This small toolbox apparatus carries (2) two values to help ensure equipment appropriate operation. Custom values are available upon request.





EDE Electric Motor Testing, Inc.
418 8th Street SE, Unit A-2
Loveland, CO 80537

970.292.8207
www.edeinst.com