

MOBILE LOSS MEASUREMENT CALIBRATION



Three phase reference comparisons to in-house loss measurement systems.

- System Voltages to 69kV
- Currents to 1500A

The load during these calibration tests must be provided by the transformer facility. The reference system will be placed between the loss measurement system and the transformer/load under tests. Loss measurement calibrations will be measured using comparison to reference system with customer supplied load at a minimum of 3 power readings.

This calibration service verifies that the loss measurement system meets the requirements of C57.12.00-2010 with the provided customer's loads.

Reference System Accuracy

- Voltage Sensors (1-50 kV) - $\pm 0.05\%$
- Current Sensors (10-1500 A) - $\pm 0.05\%$
- Power Metering (PF ≥ 0.07) - $\pm 1.0\%$
- Mobile system tests for $\pm 3\%$ accuracy requirement in Table 20 IEEE C57.12.00-2010 with load power factors ≥ 0.07

JMX HIGH VOLTAGE

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TYPICAL SETUP



Individual component calibrations can be performed if the device's output analog signal(s) are in the following ranges:

- **Voltage Devices:** 4 V - 600 V
- **Current Devices:** 250 mA - 20 A

During portions of the calibration testing, assistance from a trained test technician familiar with the facility safety procedures and the operation of the loss measurement system may be required.

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