

Calibration Verification vs. Accredited Calibration

While the terms “calibration verification” and “accredited calibration” are often used interchangeably in the market, they are quite different. A verification calibration will only record the measured value to ensure the reading is within the manufacturer's stated range. If the measured value is out of tolerance, an adjustment is not made to bring the instrument back within the tolerance limits. An accredited calibration not only records the meter readings but also provides a traceable level of uncertainty. This ensures your equipment's accuracy and proper performance, reducing liability when facing product failures in production. In addition, some accredited calibrations will make adjustments when meter readings are out of tolerance.

Ikonix Calibration service further distinguishes itself when compared to third-party labs. Ikonix's calibration lab is A2LA certified. Our factory-trained technicians take pre- and post-data measurements for each calibration, make necessary adjustments for units out of tolerance, and report the level of uncertainty on the measured values for all ISO 17025 calibration certificates. This is all accomplished within a quick five-day turnaround time. In contrast, third-party labs that only offer verification calibrations will have to send the instrument to the manufacturer if the measured value is out of tolerance, increasing overall lead time. Additionally, when you calibrate annually with Ikonix, we'll extend your warranty for the service life of the tester.

	Measured Value Check	Traceability	Adjustability	Accreditation
Calibration Verification	Limited	—	—	—
Accredited Calibration	Limited	✓	Limited	✓
Ikonix Calibration Service	Full Scope	✓	✓	✓

5 Reasons Why You Should Choose Calibration with Ikonix:

1 Rapid Turnaround

Fast 5-business-day calibration. If the instrument requires repair during the calibration process, the 5-business-day period will restart, covering both repair and calibration.

2 Cost Saving

One-stop service for verification, calibration, and adjustment. Eliminates the need to worry about sending for recalibration if the verification fails.

3 Traceability and Accuracy

We provide certification ensuring that calibration, measurements, and adjustments are not only accurate but traceable to a National Institute of Standards and Technology (NIST).

4 Full-Scope Calibration

Calibration is based on Ikonix's instrument specification scope, ensuring thorough calibration and adjustment across all measurement ranges.

5 Extended Warranty

Annual calibration with us qualifies your tester beyond the original 5-year warranty through its extended warranty program.*

*The extended warranty program also covers the unit for 5-years beyond the instruments discontinued date.