

Sample of Instruments We Calibrate.....



- Thermo-Hygrometers
- T/RH Probes and Measuring Devices
- T/RH Data Loggers
- Dew Point Meters
- T/RH Chart Recorders
- PRT, RTD, TC Probes
- Microbaths, Dryblocks, Ovens
- Infrared Thermometers
- Multimeters
- Current Clamps
- Process Meters
- Resistors
- Tachometers
- Manometers
- Gauges
- Calibrators
- Differential Gauges
- Transmitters/Transducers
- Vacuum Gauges
- Barometers



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Serving Canadian industry for over 30 years

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Accuracy
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Cost-Effectiveness
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Reliability
Customized Solutions

CALIBRATION
Cost-Effectiveness
CUSTOMIZED SOLUTIONS
Accuracy **REPAIR SERVICES**
ON-SITE
CALIBRATION SERVICES
Reliability



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Calibration

At Alpha, we believe we are the best calibration service provider in the industry, and we're ready to prove it! We stand behind everything we do. Every calibration lab can offer you technicians and test equipment. But you need more. More accuracy. Fast turnaround times. Service designed to meet your specific needs and most importantly, calibration services you can trust.

Our Metrologist's boast the highest level of accreditation and use only state-of-the-art technology from the proven world leaders in calibration instrumentation. Combined with our unparalleled technical service, support and competitive pricing, you get a complete calibration experience.

Service

Test & measurement instruments drift over time, but you can't afford errors. You depend on accuracy and reliability. Whether you need to calibrate every year or every three months, you can count on Alpha to get the job done in a timely fashion and provide exceptional customer service. We will never treat you like a number.

Operate at peak efficiency by making Alpha Controls & Instrumentation your one-stop shop for all your calibration needs.

- Competitive pricing
- Excellent turnaround times (expedite service available)
- On-site calibration services
- Full calibration reports with test uncertainty values
- Pick-up & delivery services are available
- Online quote feature (get an answer within the hour)*

“Calibration services you can trust”



*during business hours

Accreditation & Commitment to Quality

Alpha Controls & Instrumentation is an ISO 9001 registered company and its calibration services are accredited to ISO/IEC 17025 by the American Association for Laboratory Accreditation (A2LA), one of the most stringent accreditation authorities that is accepted worldwide. By achieving these quality objectives, Alpha is fully committed to comply with all of your company and or industry needs.

- ISO 9001:2008
- A2LA Accreditation to ISO/IEC 17025
- Standard calibration procedures for all calibrations performed
- Fully trained Metrologists
- MET/CAL Calibration Management Software
- ISO17025 & ANSI/NCSL Z-540-1-1994 & ANSI/NCSL Z-540.3-2006 reports
- Full calibration and service support
- Reference standards with accuracies that suit all your calibration needs
- NIST traceable

How does an A2LA accreditation benefit you as the customer?

- Minimizes risk
- Provides confidence in the measurement results
- Avoids expensive retesting
- Reduces costs and improves acceptance of your products



Humidity:

- 10 to 95% RH: $\pm 0.5\%$ RH
- Dew Point Temperature: -30 to 30°C: $\pm 0.1^\circ\text{C}$
- Ambient Temperature: -30 to 60°C: $\pm 0.1^\circ\text{C}$

Electrical:

- Voltage: 1000 V AC/DC
- Current: 1000 A AC/DC
- Resistance: 0 to 2 GOhms
- Capacitance: 0 to 110 mF
- RTD/TC: Pt100, J, K, T and more
- Frequency: 0 to 225 MHz

Temperature:

- Range: -196 to 660°C: $\pm 0.01^\circ\text{C}$
- Infrared: -15 to 500°C: $\pm 0.5^\circ\text{C}$
- Fixed Points: LN2, Hg, TPW, Tin, Zinc, Al

Pressure:

- Gauge/Absolute: 0 to 300 psig/psia: $\pm 0.009\%$ rdg.
- Differential: -60 to 60 in W.C.: ± 0.00015 in W.C.
- Barometric: 750 to 1150 mbar: ± 0.25 mbar
- Vacuum : 0 to 30 in Hg: ± 0.008 in Hg
- Hydraulic: 100 to 10,000 psig: $\pm 0.025\%$ rdg.



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