



# Hydro-Québec Testing Laboratories

The solution for calibrating your electrical measuring instruments

The scope of **CLAS / ISO17025** accreditation of our calibration and repair laboratory attests to our leadership in the calibration of electrical measuring instruments. Our know-how in measuring, uncertainty assessment and repairs means that you are sure of accurate, reliable measurements and that downtime is minimized and service life is maximized for your equipment.



## *Services offered*

### *Precision calibration*

Calibration of reference equipment requiring very high measurement precision, such as:

- > 10 V DC reference standards
- > Standard resistors
- > Multifunction calibrators (DC to 30 MHz)
- > Oscilloscope calibrators (up to 2.1 GHz)
- > High-precision multimeters
- > High-precision wattmeters
- > Precision shunts
- > Time and frequency standards
- > Current and potential transformers
- > Capacitance and phase meters
- > Energy standards
- > Resistor/capacitor high-voltage dividers
- > AC/DC transfers for voltage and current
- > Current coils of up to 50 turns for clamp-on ammeters



### ***Special calibration services***

- › Calibration of equipment generating high currents (up to 3,000 A DC or 6,000 A AC (50 or 60 Hz)) and high voltages (up to 120 kV DC or 100 kV AC (50 or 60 Hz)).
- › On-site calibration and repair of heavy stationary or non-transportable equipment

### ***Diversified calibration and repair***

Quick, high-quality testing, calibration and repair of a wide range of measuring instruments using high-precision reference standards:

- › Ohmmeters and micro-ohmmeters
- › Voltmeters
- › Ammeters
- › Multimeters
- › Wattmeters
- › Process calibrators
- › Power quality analyzers
- › Insulating oil analyzers
- › Frequency generators and counters
- › Oscilloscopes
- › Circuit breaker and insulation testers
- › Transformer turns ratio testers
- › Voltage detectors
- › Battery cyclers
- › Electronic circuit boards

- High-voltage testing
- Electrical testing
- Mechanical and environmental testing
- Underground cable testing
- Testing on a full-scale overhead line
- **Calibration and repair services**

### ***To reach us***

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www.hydroquebec.com/innovation/en

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**Expertise and specialized facilities  
you can bank on**

**Comprehensive solutions to meet  
your specific needs**