

## INSTRUMENT CALIBRATION SERVICES

Even the most expensive or precise instrument is of no use if you cannot be sure that it is reading accurately, or if you do not know the extent of any measurement error.

Maintenance of instruments and equipment is extremely important for your process plant:

- Calibration provides certainty, security and confidence in the measurement results you record with your measuring instruments.
- Regular calibration ensures reliable performance of measuring instruments.
- Malfunctioning, damaged or un-calibrated instruments produce inaccurate readings and bad data leading to costly errors and safety liabilities.

Welcon's engineering expertise includes the calibration, testing and reporting of measuring instruments for a wide range of industries including mining, manufacturing, health services, water and waste water services. With branches located in Gladstone, Townsville and Brisbane, clients throughout Queensland can draw upon these services.

We are committed to providing our clients with the highest standard of calibration and testing services. Our accredited ISO 9001:2015 Quality Management System, along with our experienced team of highly skilled personnel, ensures that we provide our clients with a high calibre of service. This extends to an engineering interpretation of the test results, including recommendations on instrument suitability and expected longevity.



## CALIBRATION CAPABILITIES

Welcon utilise state of the art Documenting Process Calibration test equipment, complying with ISO9000, EPA, FDA OSHA and other requirements. Our equipment supports the HART communication Protocol, with sourcing as well as measurement capabilities.

We can calibrate the following types of instruments:

- Level, Pressure and Temperature Transmitters,
- Level, Pressure and Temperature Switches,
- Thermocouples and Thermometers,
- Resistance Temperature Detectors (RTDs),
- Temperature Controllers and Chart Recorders,
- Pressure Gauges and Safety Valves,
- Differential Pressure and Vortex Shedding Flow Meters,
- Non-contact Tachometers,
- Trip Relays,
- Multi calibrations by measuring and sourcing current, voltage, resistance, continuity, frequency, pressure and temperature, in a variety of combinations,
- And many more.

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