

## CAPABILITY GUIDE CALIBRATION

**TestSafe Australia** has an established calibration laboratory which calibrates and maintains equipment for TestSafe's laboratories, WorkCover NSW and commercial customers.

Our calibration services include the following: -

### **Pressure**

- Pressure gauges from 10 Pa through to 40 MPa.
- Pressure transducers, both static and dynamic and associated equipment.
- Liquid manometers.
- Electronic micromanometers.

### **Air Flow**

- Vane anemometers from 0.5 m/s to 20 m/s and up to 100 mm diameter.
- Thermo-anemometers from 0.2 m/s to 45 m/s.
- Rotameters from 20 cm<sup>3</sup>/min to 100 L/min.
- Gas & vane type flowmeters up to 100 L/m.

### **Gas Analyzers**

- Oxygen analyzers and monitors.
- Gas analyzers for various gases.
- Atmosphere monitors.
- Indoor air quality monitors.

### **Torque Wrench**

- Torque wrenches up to 300 nm.

### **Non Destructive Rope Testers**

- Sense heads up to 75 mm Diameter.
- Consoles.
- Hand held microscopes.

### **Metrology**

- Micrometers, vernier calipers, dial gauges, vernier height gauges and other measuring devices up to 300 mm.

### **Mass**

- Electronic and mechanical balances up to 60 kg.
- Low-grade masses up to 60 kg.

### **Electrical**

- Digital multimeters up to 4½ digit displays.
- Analogue multimeters.
- Analogue and digital clamp meters.
- AC voltage up to 1000 V at 5 kHz and 100 V at 20 kHz.
- DC voltage up to 1000 V.
- AC current up to 20 A at 5 kHz.
- DC current up to 20 A.
- Resistance up to 10 MΩ.
- Insulation resistance testers.
- Decade resistors.
- Oscilloscopes, Counters and Signal & Pulse Generators – capability on request.

### **Acoustic**

- Sound level meters to Type 1.
- Sound level calibrators.
- Octave filters.
- Audiometers.

### **Temperature and Humidity**

- Digital thermometers and data loggers up to 1200° C.
- Thermocouples from – 20 to 1200 °C.
- Platinum resistance thermometers up to 250° C.
- Humidity indicators from 10 to 90% RH.
- Humidity data loggers.
- Humidity recorders.
- Area heat stress monitors.

### **Non Specified**

Through our association with other calibration laboratories we can arrange for most other types of equipment to be calibrated.

Other services offered by the calibration area include:

### **NATA Accredited Type C Inspection Body Workshop for the Overhaul, Repair and Testing of:**

- Shotfiring exploders.
- Shotfiring circuit testers.
- Shotfiring associated equipment.

### **Accident Investigations**

Examination and testing of equipment involved in accidents.

TestSafe Australia is an independent testing and certification authority operating under a quality management system certified to ISO 9001:2000.

**For further information please contact**

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