



# CALIBRATION

## Service & Repairs



*Excellence in Calibration  
40 years - Est. 1982*

# Calibration laboratory

## NATA accredited calibration services



Zedflo has been a market leader in test and measurement equipment since 1982. In 2014 we established a service and repair laboratory, and in 2018 achieved NATA accreditation for compliance with ISO/IEC 17025—Calibration. Our quality and customer service policies focus on providing the very best service.

### NATA accredited calibration services

For more details on these services, please see the proceeding pages



**Pressure**



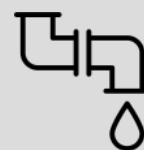
**Electrical**

### Traceable calibration services

We can offer some limited temperature calibration including: Temperature gauges, thermometers, RTDs and thermocouples. We can also calibrate some clamp on ultrasonic flow meters.



**Temperature**



**Flow**



## Repair service

- Zedflo provides servicing and repairs for most instruments in our range.
- Authorised repairers for Metrel and Additel products.



## Quality

- Our NATA accreditation scope has some of the best uncertainties in Australia.
- 40 years experience so you know the advice will be suited to your needs.



## Fast & Easy

- Standard turn around times under 1 week.
- Expediting available
- We carry extensive stock of parts, components and products.

## Accreditation & Approvals

- NATA Accredited Laboratory operating in accordance with ISO/IEC 17025
- Authorised Metrel Service and Calibration Centre
- Certified Additel Service and Calibration Centre



# Pressure

NATA accredited calibration services



Zedflo proudly offers pressure calibration services, with the best uncertainty of measurement capabilities in WA, and among the best in Australia. We have invested in high-performance equipment across our laboratory, and are well prepared to meet most pressure calibration needs.

## Digital Pressure Gauges

Pressures up to 415MPa (60,000 Psi)



## Calibrators, Controllers and modules

Capable of uncertainties as low as 0.009%



## Mechanical Pressure Gauges

Vacuum, pressure, compound and absolute



## Transmitters and Transducers

With DC Electrical Outputs



## Others

Manometers

DP/Flow Meters

Hydrostatic level gauges

Barometers

Chart Recorders



## Why Calibrate?

The successful operation of any process depends on the accuracy of each instrument in the control loop.

It is essential that sensors in a system are properly calibrated for the entire loop perform reliably. This requires suitable calibration methods to be used, trained personnel, and metrological traceability being maintained. Choosing the right calibration laboratory can be as important for lifetime accuracy and reliability of an instrument as selecting the right equipment in the first place.

## Accredited Calibration:

Accredited calibration helps you objectively understand an instrument's performance, while giving you peace of mind that the results can be trusted.



## Zedflo's NATA accredited services include:

- A calibration certificate, bearing the NATA emblem
- Reporting of results, both prior to and following adjustment if required
- Free instrument adjustment to improve performance.
- Method selection and statement of compliance following strict criteria.

## Summary of Scope:

We can calibrate virtually all pressure reading devices

- Up to 415MPa / 60,000PSI
- 0.009% Uncertainty capable for precision devices up to 105MPa (15,000PSI)
- Excellent low pressure capability - 0.065Pa uncertainty on draught pressures
- Barometers and absolute pressure transmitters with current, voltage or frequency outputs

# Electrical

## NATA accredited calibration services



Since 2014 Zedflo has been providing electrical calibration services, and following a rigorous assessment, we successfully included electrical metrology to our NATA accredited scope in 2022. We have invested significantly in the latest technology, and in fine-tuning our methods.

### Multimeters and Clamp Meters

Including Process Meters, Insulation/Continuity DMMs



### Multifunction installation testers

Familiar with all common models and brands



### Insulation & MicroOhm Meters

up to 10kV and 100A testing signals



### Appliance, Loop impedance & RCD Testers



### Process and Loop Calibrators



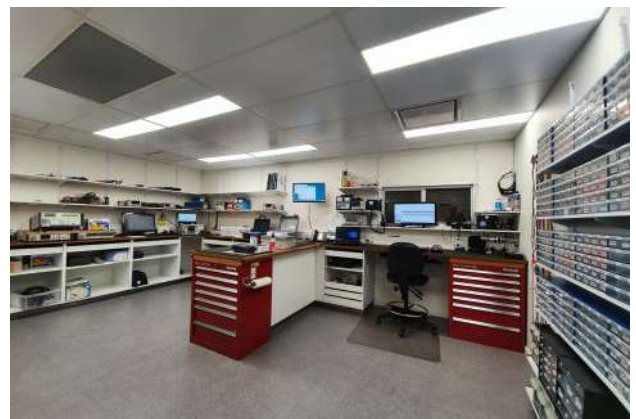
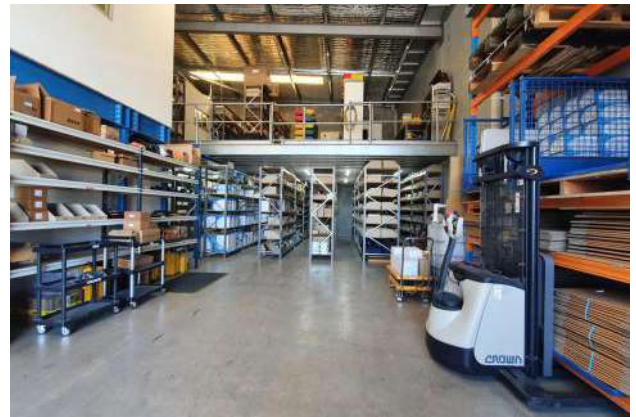
### Lab reference meters and calibrators

Up to 7.5 digit displays



## The Zedflo advantage - Life time service for your test and measurement needs

- By carrying a significant range of stock, that can be calibrated in our NATA lab, we can supply specialist calibration or test gear with certification and very short lead times.
- Ongoing NATA accredited calibration as required.
- Expedited service available—24 hour and same-day turnaround.
- Servicing and repairs - Authorised and trained staff offering wide range of services. From fiddly pump refurbishment and seal replacing, to micro soldering PCB repair.
- Guarantee to offer professional, impartial advice for your calibration, test or measurement application



## Specialist HV/LV Test Equipment

Earth Step/Touch Analysers



Power Quality



EV Charging Station Testers



Transformer Analysers



## Summary of Scope: (see NATA website for full scope)

### DMMs, Meters, Calibrators

- DC Voltage up to 1050V, from 5ppm uncertainty
- DC Current up to 30A, from 20ppm uncertainty
- AC Voltage and Current 10Hz to 100 kHz, from 0.02%
- Resistance up to 10 GΩ, Capacitance up to 200 mF

### HV Insulation and Continuity

- Insulation Resistance up to 10GΩ, 10kV test voltage
- MicroOhm Continuity from as low as 1μΩ at 100A test current

### Frequency and Time

- Frequency calibration up to 100 MHz on counters, meters, calibrators or testers. From 5 μHz uncertainty
- RCD Testers, trip time uncertainty from 0.3ms

### Resistor Sets and Decade Boxes

- Standard Resistors, Calibration Boxes, Insulation Test Boxes, Decade Boxes etc... From 10 μΩ to 10 GΩ

If your instrument type is not listed, please contact us to check our calibration capabilities



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40 years - Est. 1982

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Note: Subject to technical change without notice.