



# ***Thermography Training***

## **ITC Level 1 Certification Course – Auckland**

**October Tuesday 22 – Friday 25, 2024**

**Ramada Suites Albany Auckland**

### **About ITC**

The Thermography Training Center (ITC) is the largest and leading provider of infrared thermography training and certification in the world, your resource for improving your thermal imaging skills, growing your thermography business, and ensuring your credibility with your clients. ITC is the only organization certified to ISO 9001:2000 quality management standard, which is why their certification is considered the gold standard among industry professionals.

Pro-Test Instruments is authorised by ITC to provide their training courses in New Zealand



### **Why Certification**

In this certification course, you'll learn how infrared cameras make and capture images, how to take accurate temperature measurements with an infrared camera, and all of the foundational science you'll need to get the most out of your camera. Plus, you'll discover how to conduct safe thermographic inspections in a variety of common use cases and create basic reports so you can share your findings with team members, customers, and other stakeholders. In short, a Level I/Category I certification gives you all the tools you need to begin your journey as a safe, capable thermographer, getting the most value out of your

investment in infrared cameras and adding tremendous value to your organization or business. Certification course is based on ISO 18436: Requirements for thermography training and certification of thermography personnel in condition monitoring and the diagnostics of machines, as established by the International Organization for Standardization (ISO) TC 108/SC 5.

### **What you will learn**

- The factors that make thermal images look the way they do and how these factors influence temperature measurement accuracy.;
- Infrared image analysis and interpretation techniques.;
- The basics of infrared science concepts such as emissivity, reflected apparent temperature, heat transfer, and the influence of the atmosphere.;
- Inspection technique fundamentals, including advice on data collection, how to approach different types of inspections, and important safety considerations. ;



- What information to include in a report and how to use thermal analysis software to quickly create simple, easy-to-understand reports.;
- Hands-on exercises that let you get practical experiences of the theoretical concepts taught throughout the week.;
- Vital application-specific insights for electrical, mechanical, and building inspections.

### **Your Presenter**

Brad Muir is a Certified Level III Thermographer and regularly attends international conferences to keep at the forefront of this increasingly important technology. Brad runs his own thermal inspection business and has been doing thermal inspections for clients throughout New Zealand since 2012. He covers all aspects of thermography including electrical/mechanical, moisture detection, cool store evaluation, UAV inspection and acoustic assessment. His clients include Power Utilities, Heavy and Light Industrial companies,

Commercial and Domestic. Brads practical knowledge and know how will ensure attendees from a wide cross section of markets will get the most out of the course.

### **COST**

\$2,990.00 NZD/person + GST, which includes training, examination and certification.

Duration: Four consecutive days.

A 5% discount is offered for additional attendees from the same company.

Your place will be reserved and guaranteed upon receipt of payment.

*Note: Pro-Test Instruments reserves the right to reschedule or cancel the course if sufficient attendee numbers are not met*

If you need more information about the course, please contact [info@pro-test.co.nz](mailto:info@pro-test.co.nz) or call the office on 09 424 2278