

Volume 13 Issue 3 - March 2024

Director's Message

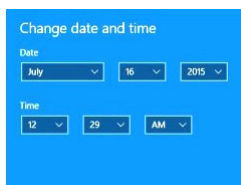


During the past 15 years, social media have exploded as a means for sharing information and ideas on an unprecedented scale. As leaders in the thermographic profession, Infraspection Institute are always on the lookout for innovative ways to help our clients stay current with developments in our ever-changing industry.

In addition to our comprehensive websites infraspection.com and irinfo.org, Infraspection Institute routinely utilize LinkedIn, Facebook, and Instagram to help educate and inform those with an interest in thermography.

Whether you are new to thermography or are a seasoned professional, we invite you to follow us on our social media channels where you can learn about the latest developments in thermal imaging, non-contact temperature measurement, and industry trends. We look forward to your comments and feedback as we continue to advance thermography as a science and a profession.

Do You Have the Correct Time?



Most modern thermal imagers have the ability to record time and date along with thermal images. Taking a moment to ensure that the correct time and date are displayed on your imager before you begin your inspection can help to avoid wasted time and the collection of inaccurate data.

Having the correct time associated with your imagery is important for several reasons. With correctly time-stamped imagery, it is possible to:

- Accurately document when an inspection was performed
- Easily store and uniquely reference image files
- Record the duration of a thermal event

It is always good practice to consciously check your imager's clock each time you start your imager and make any necessary adjustments. Be certain to check the clock periodically during each

Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Mar 4 - 8 Melbourne
- Mar 4 - 8 Boulder City
- Mar 5 - 8 Edmonton
- Mar 6 - 8 Melbourne *
- Mar 11 - 15 Quezon City
- Mar 12 - 15 Calgary
- Mar 18 - 22 Sydney
- Mar 20 - 22 Sydney *
- Mar 25 - 29 Honolulu
- Apr 8 - 11 West Windsor
- Apr 8 - 12 Brisbane
- Apr 10 - 12 Brisbane *
- Apr 15 - 19 St. John's
- Apr 15 - 19 Quezon City
- Apr 22 - 26 Henderson
- Apr 29 - May 3 Perth
- May 1 - 3 Perth *
- May 6 - 10 Kuala Lumpur
- May 13 - 16 West Windsor
- May 13 - 17 Quezon City
- May 20 - 24 Denver
- May 20 - 24 Gold Coast

* Flexible Learning

[Level II Certified Infrared Thermographer®](#)

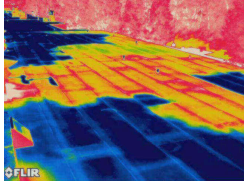
- Mar 11 - 14 West Windsor

inspection and whenever the imager is restarted, such as after a battery change or power interruption.

If your imager frequently displays incorrect time, it may be indicative of a defective or dead internal battery. To help avoid this problem, arrange for replacement of internal clock batteries whenever you have your imager serviced or repaired.

[More Information](#)

Spring is the Time for Infrared Roof Inspections



With the onset of warmer weather, the harshness of winter is but a fading memory for most. Left undetected, the damage caused by winter's fury is a reality that can lead to premature roof failure. Fortunately, an infrared inspection of your roof can detect evidence of problems before they

get out of hand.

Performed under the proper conditions with the right equipment, an infrared inspection can detect evidence of latent moisture within the roofing system often before leaks become evident in the building.

The best candidates for infrared inspection are flat or low-slope roofs where the insulation is located between the roof deck and the membrane, and the insulation is in direct contact with the underside of the membrane. Applicable constructions are roofs with either smooth or gravel-surfaced, built-up or single-ply membranes. If gravel is present, it should be less than 1/2" in diameter and less than 1" thick.

For smooth-surfaced roofs, a short wave (2-5.6 μ) imager will provide more accurate results especially if the roof is painted with a reflective coating. All infrared data should be verified by a qualified roofing professional via core sampling or invasive moisture meter readings.

[More Information](#)

Optical Gas Imaging

During the past several years, controlling gas emissions has become a global concern. The recent introduction of purpose-built thermal imagers provides rapid leak detection for a wide variety of gases. Because Optical Gas Imaging differs from traditional thermography, formal training in this technique is imperative.



Infraspection Institute's [IR Thermography for Optical Gas Imaging](#) is a 12-hour theory and application course for the use of thermal imaging to detect and document thermal patterns associated with gas leaks and venting. This course covers infrared theory, heat transfer concepts, equipment selection and operation, detectable gases, inspection procedures, image analysis, report generation, and standards compliance.

- May 13 - 17 Trinidad
- May 20 - 23 Melbourne
- May 27 - 31 Gold Coast
- Jun 17 - 20 West Windsor
- Sep 16 - 19 West Windsor
- Sep 16 - 20 Trinidad
- Oct 14 - 18 Kuala Lumpur
- Oct 28 - 31 Melbourne
- Dec 9 - 13 Trinidad

[Level III Certified Infrared Thermographer®](#)

- Mar 18 - 20 West Windsor
- Sep 23 - 25 West Windsor
- Nov 18 - 20 Melbourne

[Full 2024 Schedule](#)

Upcoming Conferences

Infraspection Institute invite you to see us at the following upcoming conferences. Be sure to stop by and say Hello!

[NFMT](#)

March 12 - 14, 2024
Baltimore, MD

[SMRP Conference](#)

October 7 - 10, 2024
Orlando, FL

[Vibration Institute](#)

August 7 - 9, 2024
Covington, KY

[IR/INFO Conference](#)

January 19 - 22, 2025
Orlando, FL

[NETA PowerTest Conference](#)

March 11 - 15, 2025

Students are trained to identify and document thermal patterns caused by gas leaks or gas venting for numerous types of gases including hydrocarbons, Sulphur Hexafluoride, Carbon Dioxide, Carbon Monoxide, Ammonia, and Refrigerants. Self-directed learning activities are provided to help students gain practical experience. One need not have a camera to successfully complete the course.

[More Information](#)

Join Thermography's Major League



[Become an Infraspection Institute Master Thermographer®](#)



Orlando, FL

Links of Interest

IRINFO.ORG

TI-Reporter.com

NORMI.TV

[A-Rent](#)