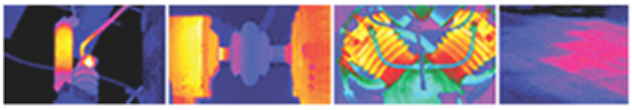
Infraspection Institute Newsletter



News and Information for Professional Thermographers

Volume 9 Issue 11 - November 2020

Director's Message

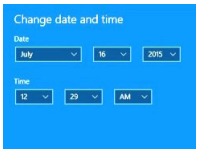
As infrared technology has advanced, radiometers have become a common tool for many maintenance technicians and mechanics. Although radiometers are relatively easy to use, there are several important factors that influence the accuracy of a radiometer's readings.

Infrared radiometers offer several advantages when it comes to temperature measurements. Chief among these is that measurements are non-contact, non-destructive, and can be obtained quickly. Unfortunately, radiometers are not self-diagnostic and cannot warn the operator of erroneous readings. The following are some simple tips that can help to ensure accurate infrared temperature measurements.

- Target should be stationary and at a stable temperature with a dry surface
- Radiometer lens should be clean and free from obstructions
- IR temperature measurements should be made perpendicular to target
- IR radiometer should be operated at a distance to ensure that spot measurement size is smaller than the target
- Accurate emissivity and reflected temperature values should be input into the radiometer's computer

Whenever possible, infrared readings should be correlated with known temperature values. If a discrepancy is observed, there may be a procedural error in measurement or the radiometer may require calibration.

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 timestamped 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 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 avoid this problem, arrange for replacement of internal clock batteries whenever you have your imager serviced or repaired.

More Information

Upcoming Courses

Level I Certified Infrared Thermographer®

- Nov 16 - 20 Perth
- Nov 16 - 20 Las Vegas
- Nov 30 - Dec 4 Trinidad
- Dec 7 - 11 West Windsor
- Dec 7 - 11 Santa Fe
- Dec 14 - 18 Kuala Lumpur

Level II Certified Infrared Thermographer®

- Nov 9 - 13 Melbourne
- Dec 7 - 11 Trinidad

Level III Certified Infrared Thermographer®

- Dec 7 - 9 Melbourne

Full 2020 Schedule

Upcoming Conferences

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

Thermal Imaging Conference

September 20 - 23, 2021
South Lake Tahoe, NV

IR/INFO Conference

January 16 - 19, 2022
Orlando, FL

Links of Interest

IRINFO.ORG

The RAM Review

TI-Reporter.com

IRFeverScreen.com

Save Big on TI Reporter™ Software

In addition to streamlining your infrared report writing, now you can save even more with TI Reporter™ software. For a limited time, you can save over 15% with an annual subscription to TI Reporter™.

Combining cloud technology with state-of-the-art features, TI Reporter™ is the world's first cloud-based thermography reporting software that works with all thermal imagers. Reports can be generated quickly and easily from one's office or while in the field. Because it is cloud based, TI Reporter™ works with all computer operating systems and there is no need to install any type of program or software onto your computer.

Written by practicing thermographers, TI Reporter™ contains preformatted templates for a wide variety of infrared inspection applications including, but not limited to: electrical systems, mechanical systems, building envelopes, flat roofs, underground piping, and steam systems. TI Reporter™ automatically calculates temperature limits for electrical and mechanical equipment and can provide cost savings reports. The software is designed for in-house thermographers as well as thermographic consultants.

More Information

New Dates for IR/INFO Conference

After careful consideration and due to concern for the safety of our attendees and staff, Infraspection Institute's annual Advanced Training Conference, Technical Symposium and Technology Expo, IR/INFO, has been rescheduled for January 16 – 19, 2022 in Orlando, Florida. Now in its 32nd year, IR/INFO features four days of networking, learning, and fun in a relaxed, yet professional, family atmosphere.

We are presently seeking papers and presenters for IR/INFO 2022. Invited topics include, but are not limited to: safety, emerging applications, building sciences, related NDT, case histories, as well as tips and tricks.

Presentations are typically 20-25 minutes with 5 minutes for questions and answers with the audience. All papers and presentations will be published in the IR/INFO Conference Proceedings. The deadline for abstract submissions is July 31.

More Information

IR INFO CONFERENCE

Are You Ready for the Deep End of the Pool?

Become an Infraspection Institute Master Thermographer®
