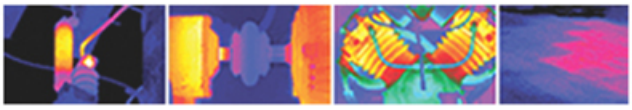
Infraspection Institute Newsletter



News and Information for Professional Thermographers

Volume 11 Issue 9 - September 2022

Director's Message

Ever wonder why magicians never reveal their secrets? It's because magic is easy once you know the trick. When describing thermography in lay terms, many tend to over emphasize simplicity and forget the source of the true magic behind thermography – the thermographer.

An infrared inspection system consists of infrared imaging equipment, a thermographer, and the knowledge that he/she possesses. Of these three things, the greatest limiting factor in an infrared inspection system is the thermographer.

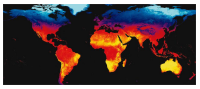
In order to be an effective thermographer, one must be trained in the following:

- Theory and construction of the object or system being inspected
- Infrared theory and heat transfer principles
- Use and operation of infrared imaging equipment
- Non-contact temperature measurement error sources and how to avoid or correct for them

In addition to the above, qualified thermographers must be knowledgable with the system or structure being inspected. When all things are considered, effective thermographers need considerable training and field experience. Making thermography look simple is a true testament to the skills of a professional thermographer.

The next time you hear the dismissive claim that thermography is easy, remember it is only easy after someone has invested considerable time and effort to learn the art and science of the trade. In a magic show, the magic comes from the magician, not the wand. In thermography, the magic comes from the thermographer.

Change Routes With the Season



Traditionally, many facilities perform infrared inspections on an annual basis. While this approach may detect deficiencies within operating systems, those not under load due to seasonal or operational conditions cannot be effectively inspected.

Examples of seasonally operated equipment include heating/cooling systems, production machinery, and the electrical distribution system. Effective infrared inspections of seasonally operated equipment begin at the planning stages. In setting up and conducting an inspection, one should make certain to:

- Develop an inventory list of equipment to be inspected
- Group seasonally operated equipment into dedicated routes
- Ascertain operating times for subject systems
- Schedule infrared inspections for the beginning of operating season
- Inspect subject systems while under normal load

Be certain to perform a follow-up inspection for all detected exceptions once necessary repairs have been completed. As always, remember to observe all necessary safety precautions before and during the infrared inspection.

Upcoming Courses

Online Distance Learning

Level I Certified Infrared Thermographer®

- Sep 12 - 16 Cheyenne
- Sep 26 - 30 Portland, OR
- Oct 3 - 7 West Windsor
- Oct 10 - 14 Portland, TX
- Oct 17 - 21 Kuala Lumpur
- Oct 17 - 21 Tacoma
- Oct 24 - 27 Edmonton
- Oct 31 - Nov 3 Saskatoon

* Flexible Learning

Level II Certified Infrared Thermographer®

- Nov 7 - 11 Kuala Lumpur

Level III Certified Infrared Thermographer®

- Sep 12 - 14 West Windsor
- Dec 5 - 8 Trinidad

Full 2022 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 19 - 22, 2022
South Lake Tahoe, NV

SMRP Conference

October 17 - 21, 2022
Raleigh, NC

IR/INFO Conference

[More Information]

Early Registration Bonus for IR/INFO Exhibitors

Infraspection Institute are pleased to announce an early registration bonus for exhibitors at our annual IR/INFO Conference. Exhibitors that register and pay for their booth prior to September 15 are eligible to bring a second person at no additional charge. Valued at $595, this bonus provides full conference access and conference proceedings.

Now in its 33rd year, IR/INFO is the original Advanced Infrared Training Conference, Technical Symposium, and Technology Expo. IR/INFO features four days of networking, learning, and fun in a professional, relaxed, family atmosphere.

IR/INFO is scheduled for January 15 – 18, 2023, in Orlando, FL. IR/INFO is a must-attend event for all manufacturers and distributors of infrared equipment, condition-based monitoring tools and services, reporting software, and those who provide products or services of interest to thermographers.

[More Information]

Save Big on TI Reporter™ Software

In addition to streamlining your infrared report writing, now you can save even more money with TI Reporter™ software. For a limited time, annual subscriptions are available at a 15% discount versus our monthly pricing.

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 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]

Get the Recognition You Deserve

[Become an Infraspection Institute Master Thermographer®]

January 15 - 18, 2023
Orlando, FL

Links of Interest

[IRINFO.ORG]

[The RAM Review]

[TI-Reporter.com]

[IREverScreen.com]

[Electric Power Reliability Alliance]