Infraspection Institute Newsletter

News and Information for Professional Thermographers

Volume 10 Issue 1 - January 2021

Director's Message

It is often said that first impressions count. When it comes to infrared inspections of electrical distribution systems, first impressions may be incomplete or misleading especially when an inspection is not properly performed.

The greatest amount of labor expended during an infrared inspection of electrical equipment is often associated with the opening/closing of electrical panels. In an effort to reduce labor costs, some have suggested scanning the exterior of electrical enclosures and opening only those that exhibit a discernible temperature rise. This approach is flawed in that it often overlooks significant thermal anomalies that can lead to catastrophic failures or unexpected downtime.

Depending upon the construction and condition of electrical equipment, significant thermal anomalies may be undetectable when panel covers remain closed. Such anomalies include, but are not limited to: loose/deteriorated connections, overloads, or arcing. Because infrared equipment cannot see through solid objects such as steel and phenolic, industry practice and published standards require that electrical enclosures be opened to afford a clear line-of-sight to subject components.

At present, there is no way to correlate enclosure temperatures to the integrity of the devices they contain. Thermographers who use enclosure temperatures as indicators of device integrity face two problems. First, they will miss significant deficiencies. Second, they may invite undue liability should a hidden problem cause a catastrophic failure or unexpected downtime.

FREE Online Courses

For a limited time, Infraspection Institute is offering two free online training courses. These courses are available through SuccessIRies™ – a series of web-based short courses for thermographers and inspection professionals. SuccessIRies™ courses are available 24/7 via an internet connection and cover a wide variety of topics.

Typically 30 to 60 minutes in length, SuccessIRies™ are narrated short courses that are the perfect way to keep abreast of the latest developments in the rapidly evolving field of thermography. SuccessIRies™ also meet continuing education requirements for professional inspectors.

Normally priced at $79, SuccessIRies™ 101, Infrared Thermography – What's Hot in PdM and SuccessIRies™ 102, Infrared Inspections for Home & Building Inspectors are currently being offered for free. These courses provide an introduction to infrared thermography and how it is applied to a wide variety of applications. Both courses provide an excellent introduction to thermography.

More Information

Save Big on TI Reporter™ Software

Upcoming Courses

Online Distance Learning

Level I Certified Infrared Thermographer®

- Jan 11 - 15 Tempe
- Jan 18 - 22 Kuala Lumpur
- Jan 25 - 29 Palm Springs
- Feb 8 - 12 West Windsor
- Feb 8 - 12 Las Vegas
- Feb 15 - 19 Sydney
- Feb 22 - 26 Palm Springs
- Mar 8 - 12 Las Vegas
- Mar 15 - 19 Kuala Lumpur
- Mar 22 - 26 Melbourne
- Mar 22 - 26 Santa Fe
- Apr 12 - 16 Las Vegas
- Apr 19 - 23 West Windsor
- Apr 26 - 30 Twin Falls

Level II Certified Infrared Thermographer®

- Feb 1 - 5 Kuala Lumpur
- Mar 8 - 12 West Windsor

Level III Certified Infrared Thermographer®

- Mar 15 - 17 West Windsor

Full 2021 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

SMRP Conference

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

Credibility Defined

INFRASPECTION INSTITUTE — MASTER THERMOGRAPHER — Your Name Here

Become an Infraspection Institute Master Thermographer®

October 25 - 28, 2021
Saint Louis, MO

IR/INFO Conference

January 16 - 19, 2022
Orlando, FL

Links of Interest

IRINFO.ORG

The RAM Review

TI-Reporter.com

IRFeverScreen.com