



Volume 11 Issue 6 - June 2022

Director's Message



We've all heard the phrase regarding the horse and the cart. When it comes to thermography, many people put the cart in front of the proverbial horse by buying infrared equipment before obtaining proper training.

Purchasing the correct imager is a challenge for many reasons: initial purchase price can be costly, no imager is capable of performing all applications, imager performance varies widely, and available specifications are frequently exaggerated.

Further compounding this challenge is many manufacturers offer "free training courses" as sales incentives to purchasers of new equipment. Frequently, these free courses are taught by inexperienced/unqualified instructors, are introductory in nature, and are designed as operator courses for the subject equipment thereby omitting important theory or applications. Because these courses are taught after equipment is delivered, inexperienced purchasers lack the knowledge required to make an informed decision when selecting new equipment.

In order to properly select and specify infrared equipment, buyers should put the horse before the cart by receiving quality certification training from an independent institute prior to equipment purchase. For new users, training should include infrared theory and heat transfer concepts, equipment selection and operation, image capture and analysis, standards compliance, applications-specific inspection techniques, documentation of findings, and temperature measurement techniques.

Using Wide Angle Lenses

Using a standard lens to perform infrared inspections at close distances can be particularly difficult. This situation is quite common when inspecting building envelopes, motor control centers, and some types of mechanical equipment.



When using a normal lens at close range, it may be impossible to include an item of interest and a reference component within a single frame. For larger objects, you may be able to image only a portion of the target.

Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Jun 6 - 10 Ketcham
- Jun 6 - 10 Portland
- Jun 13 - 17 Kuala Lumpur
- Jun 20 - 24 Palm Springs
- Jul 11 - 15 Salt Lake City
- Jul 11 - 15 Melbourne
- Jul 18 - 22 West Windsor
- Jul 25 - 29 Brisbane
- Jul 25 - 29 Seal Beach

* Flexible Learning

[Level II Certified Infrared Thermographer®](#)

- Jun 13 - 17 West Windsor

[Level III Certified Infrared Thermographer®](#)

- Sep 19 - 21 West Windsor
- Dec 5 - 8 Trinidad

[Full 2022 Schedule](#)

Upcoming Conferences

Infraspection Institute invite you to see us at the following

Wide angle lenses increase an imager's visual field of view allowing a thermographer to image a wider target area without having to move farther away from the target. Wide angle lenses are available for most imagers in multipliers of either 2x wide or 3x wide. When using a wide angle lens, spot measurement size will increase proportionately to the width multiplier for the lens.

If you are taking temperatures, be sure that your wide angle lens has been calibrated for use with your imager.

[More Information](#)

Call for Papers for IR/INFO 2023



Infraspection Institute are pleased to announce that our annual Advanced Training Conference, Technical Symposium and Technology Expo, IR/INFO 2023, will be held January 15 - 18, 2023 in Orlando, FL.

Now in its 33rd year, IR/INFO features four days of networking, learning, and fun in a relaxed, yet professional, family atmosphere. We are presently accepting papers and presenters for IR/INFO 2023. 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](#)

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, 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, 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](#)

upcoming conferences. Be sure to stop by and say Hello!

[EPRx](#)

June 15, 2022
Tallmadge, OH

[EPRA Summit](#)

Aug 30 - Sept 1, 2022
Akron, OH

[Thermal Imaging Conference](#)

September 19 - 22, 2022
South Lake Tahoe, NV

[SMRP Conference](#)

October 17 - 21, 2022
Raleigh, NC

[IR/INFO Conference](#)

January 15 - 18, 2023
Orlando, FL

Links of Interest

[IRINFO.ORG](#)

[The RAM Review](#)

[TI-Reporter.com](#)

[IRFeverScreen.com](#)

[Electric Power Reliability Alliance](#)

Welcome to Top Gun



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

