

Volume 15 Issue 2 - February 2026

Director's Message



This month marks the 14th anniversary of the Infraspection Institute Monthly Newsletter.

In the first edition of our Newsletter, we set a goal of providing our readers with timely, relevant information about our activities and resources as well as relevant topics and news within our industry.

As we begin our 15th year of publication, we thank our readers for their support and welcome your comments and suggestions on how we may improve our Newsletter.

We look forward to hearing from you and supporting your needs in the coming months.

Free Online Short Course for Thermal Imaging Drones

Infraspection Institute has just released our latest online short course, [Success!RIES™ 110 - How to Effectively Use Drones for Thermal Imaging](#).



This short course focuses on the use of thermal imaging drones for several applications along with the challenges associated with their use. The course is 46 minutes in length and is available online 24/7. Filled with practical information, the course is designed for beginners and experienced thermographers alike.

Normally priced at \$99, this course is available for free this month by using the coupon code, **SUAS4FREE**.

[**More Information**](#)

Frostbite and Hypothermia

For many, the dead of winter is upon us. Thermographers working outdoors in cold climates can face serious safety challenges due to

Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Feb 2 - 5 Colorado Springs
- Feb 9 - 13 Kuala Lumpur
- Feb 23 - 26 West Windsor
- Feb 23 - 26 Long Beach
- Feb 23 - 27 Quezon City
- Mar 2 - 5 Boulder City
- Mar 2 - 5 Edmonton
- Mar 9 - 12 Houston
- Mar 9 - 12 Calgary
- Mar 9 - 12 Sydney
- Mar 11 - 12 Sydney *
- Mar 16 - 20 Quezon City
- Mar 23 - 26 Honolulu
- Mar 23 - 26 San Jose
- Mar 23 - 26 Melbourne
- Mar 25 - 26 Melbourne *
- Apr 13 - 16 Brisbane
- Apr 15 - 16 Brisbane *
- Apr 20 - 23 Henderson
- Apr 20 - 23 Charlotte
- Apr 20 - 24 Quezon City
- May 4 - 7 West Windsor
- May 4 - 7 Baton Rouge
- May 4 - 7 Perth
- May 6 - 7 Perth *
- May 4 - 8 Kuala Lumpur



frostbite and hypothermia. Knowing the symptoms of these conditions and proper treatment is imperative for worker safety.

Frostbite is a severe reaction to cold exposure that can permanently damage its victims. A loss of feeling and a white or pale appearance in fingers, toes, or nose and ear lobes are symptoms of frostbite.

Hypothermia is a condition brought on when the body temperature drops to less than 90 degrees Fahrenheit. Symptoms of hypothermia include uncontrollable shivering, slow speech, memory lapses, frequent stumbling, drowsiness, and exhaustion.

If frostbite or hypothermia is suspected, begin warming the person slowly and seek immediate medical assistance. Warm the person's trunk first. Use your own body heat to help. Arms and legs should be warmed last because stimulation of the limbs can drive cold blood toward the heart and lead to heart failure. If the person is wet, put them in dry clothing and wrap their entire body in a blanket.

Never give a frostbite or hypothermia victim beverages containing caffeine or alcohol. Caffeine, a stimulant, can cause the heart to beat faster and hasten the effects the cold has on the body. Alcohol, a depressant, can slow the heart and also hasten the ill effects of cold body temperatures.

[More Information](#)

Transmissivity of Switchgear Windows

Infrared transmissive windows have seen increased popularity as an alternative to opening electrical cabinets for infrared inspections. These windows typically contain an IR transmissive material supported in a metal or plastic frame and are permanently installed at strategic locations on switchgear enclosures. During the infrared inspection, the camera lens is placed against the window to inspect electrical components without having to open the subject enclosure.



As no material is 100% transmissive to infrared energy, all infrared windows will qualitatively and quantitatively attenuate the infrared energy passing through the window. While it is useful to know the transmittance of the window's optical material, there are other important factors to be considered. It should be noted that there is no way to compensate for any of the common error sources listed below.

- Many IR windows have optics far smaller than IR imager lenses vastly reducing the infrared energy reaching the detector
- Switchgear windows that become dirty over time attenuate IR energy
- Some switchgear windows are wavelength specific and will react differently according to imager selected
- Depending upon cabinet depth, it may not be possible to obtain clear focus for the subject components

- May 18 - 21 Denver
- May 18 - 21 Rosharon
- May 25 - 29 Quezon City

* Flexible Learning

[Level II Certified Infrared Thermographer®](#)

- Feb 16 - 20 Quezon City
- Mar 16 - 19 West Windsor
- Mar 23 - 27 Quezon City
- Apr 13 - 17 Quezon City
- May 18 - 22 Quezon City
- May 25 - 28 Melbourne

[Level III Certified Infrared Thermographer®](#)

- Mar 23 - 25 West Windsor
- Jun 22 - 24 West Windsor
- Sep 21 - 23 West Windsor

[Full 2026 Schedule](#)

Upcoming Conferences

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

[IR/INFO Conference](#)

February 1 - 4, 2026
Orlando, FL

[NETA PowerTest Conference](#)

March 2 - 6, 2026
Nashville, TN

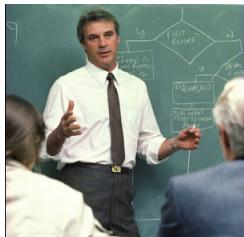
[EASA](#)

June 14 - 16, 2026

The topic of switchgear windows is covered in all Infraspection Institute Level I training courses. For more information on calculating the transmittance of switchgear windows, consult the [Standard for Measuring and Compensating for Transmittance of an the Attenuating Medium Using Infrared Imaging Radiometers](#) available from Infraspection Institute.

[More Information](#)

Become an Infraspection Institute Course Reseller



Proper training is essential to the success and longevity of any infrared inspection program. Whether you are a professional thermographer, distribute infrared or related test equipment, or are involved in professional training, we can help you to increase both sales and profits. An affiliation with Infraspection Institute can also help to increase your company's visibility without compromising your credibility.

With the proliferation of cheaper infrared cameras, competition has become more fierce and profits more scarce. Offering training cannot only expand your services and increase profits, it can help provide a long-term relationship that keeps your clients 'on the farm' and close to you.

Because Infraspection Institute do not sell infrared equipment, our courses are presented without marketing hype. Since we are not affiliated with infrared equipment manufacturers, you can rest assured that your clients are not being hijacked by a competitor. Best of all, you have several options to choose from including open enrollment classes, on-site courses, and our convenient web-based Distance Learning courses.

[More Information](#)

Orlando, FL

[Vibration Institute](#)

August 5 - 7, 2026
Fort Worth, TX

Links of Interest

[IRINFO.ORG](#)

[TI-Reporter.com](#)

[Thermographer Directory](#)

[NORMI.TV](#)

[A-Rent](#)

Go for the Gold!



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

