

Volume 9 Issue 6 - June 2020

Director's Message



It has been said that within crisis there is opportunity. Given the current crisis created by the COVID-19 pandemic, this is especially true for thermographers and many of those involved with the manufacture of non-contact temperature measuring devices. Opportunity, however, should not be confused with opportunism.

One of the symptoms of COVID-19 is an elevated body temperature. In light of this, many companies have turned to body temperature measurement as a means of screening employees and visitors prior to granting them entry into their properties. Infrared devices are particularly well suited for body temperature measurements since they can provide temperature values quickly and without contact.

In mid-April of this year, the United States Food and Drug Administration issued guidance allowing industrial grade thermal imagers to be used as a screening tool for detecting elevated body temperatures provided that they met certain recommendations and that elevated temperatures detected were confirmed with a clinical grade thermometer.

It was the FDA's belief that the policy set forth in their guidance would help address public health concerns raised by shortages of temperature measurement systems during the current public health emergency. This policy has created a tremendous opportunity for trained thermographers to put their equipment and talents to good use either as professional body temperature screening technicians or as consultants to those initiating a body temperature screening program.

Unfortunately, the current pandemic has also seen its share of opportunists. Over the past several weeks there has been a marked increase in the number of companies that are now offering 'infrared technology' for body temperature screening. Many of the products do not conform to best practices nor are they suitable for human body temperature measurement.

Infraspection Institute fully supports thermal imaging for body temperature screening provided that the proper equipment is selected and is operated by trained technicians in accordance with industry best practice. If you or your company are seeking to acquire infrared equipment for body temperature screening, we would invite you to take our [new training course](#) that will help you to understand the technology and how to select the proper equipment without marketing hype.

Properly applied, thermal imaging can help to ensure the health and safety of the public. It is an opportunity we cannot afford to miss.

Protecting Yourself From the Sun

With the height of Summer, many thermographers focus their attention on the discomfort associated with heat and humidity. Those who spend time outdoors should also be aware of the health hazards associated with unprotected exposure to the Sun.

Upcoming Courses

[Level I Certified Infrared Thermographer®](#)

- Jun 8 - 12 Palm Springs
- Jun 22 - 26 Tacoma
- Jun 22 - 26 Kuala Lumpur
- Jul 13 - 17 Salt Lake City
- Jul 20 - 24 West Windsor
- Jul 20 - 24 Melbourne
- Jul 20 - 24 Montreal
- Jul 27 - 31 Seal Beach
- Aug 17 - 21 Toronto
- Aug 17 - 21 Colorado Springs
- Aug 24 - 28 Seal Beach
- Aug 24 - 28 Kuala Lumpur

[Level II Certified Infrared Thermographer®](#)

- Jun 8 - 12 West Windsor
- Jul 13 - 17 Kuala Lumpur
- Sep 14 - 18 West Windsor

[Level III Certified Infrared Thermographer®](#)

- Jun 10 - 12 Melbourne
- Sep 21 - 23 West Windsor

* Flexible Learning Course

[Full 2020 Schedule](#)

Upcoming Conferences

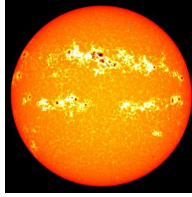
Infraspection Institute invite you to see us at the following upcoming conferences. Be sure to stop by and say Hello!

[Thermal Imaging Conference](#)

September 14 - 17, 2020
South Lake Tahoe, NV

[SMRP Conference](#)

Sunlight contains ultraviolet (UV) radiation, which causes premature aging of the skin, wrinkles, cataracts, and skin cancer. The amount of damage from UV exposure depends on the strength of the light, the length of exposure, and whether the skin is protected. There are no safe UV rays or safe suntans.



October 19 - 22, 2020
Columbus, OH

[IR/INFO Conference](#)

January 17 - 20, 2021
Orlando, FL

Following some simple tips can help protect you from the harmful effects of UV radiation.

- Cover up. Wear tightly-woven clothing that blocks out light. Try this test: Place your hand between a single layer of the clothing and a light source. If you can see your hand through the fabric, the garment offers little protection.
- Use sunscreen. A sun protection factor (SPF) of at least 15 blocks 93 percent of UV rays. You want to block both UVA and UVB rays to guard against skin cancer. Be sure to follow application directions on the bottle.
- Wear a hat. A wide brim hat (not a baseball cap) is ideal because it protects the neck, ears, eyes, forehead, nose, and scalp.
- Wear UV-absorbent shades. Sunglasses don't have to be expensive, but they should block 99 to 100 percent of UVA and UVB radiation.

Lastly, limit your exposure. UV rays are most intense between 10 a.m. and 4 p.m. If you're unsure about the sun's intensity, take the shadow test: If your shadow is shorter than you, the sun's rays are the day's strongest.

[More Information](#)

Links of Interest

[IRINFO.ORG](#)

[CITA.ORG](#)

[The RAM Review](#)

[TI-Reporter.com](#)

[IRFeverScreen.com](#)

Become an Infrared Body Screening Technician



[Infrared Body Temperature Screening](#) is a 5 unit theory and application course for the use of thermal imaging to detect elevated body temperature in humans. This is a specialized course dedicated to this unique application.

[Infrared Body Temperature Screening](#) is equivalent to a five hour classroom course with a two hour period allotted for the online exam at the end of the course. Course

completion may be applied toward training requirements for Infraspection Institute Level I, II, or III thermographer certification.

[Infrared Body Temperature Screening](#) covers infrared theory, heat transfer concepts, equipment operation and selection, current regulations, standards compliance, screening area setup and procedures, adjunctive equipment, and safety issues. The course is designed for program managers and for operators of infrared body temperature screening systems.

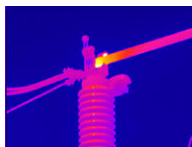
Students are trained to set up and operate both purpose-built and industrial grade thermal imagers suitable for human body temperature screening. Self-directed learning activities are provided to help students gain practical experience; however, one need not have an infrared imager to successfully complete the course.

Course tuition includes 24 hour access to all online course presentations, downloadable Student Reference Manual, online exam, and written proof of course completion.

[More Information](#)

Focus, Focus, Focus

Proper image focus is still one of the most important aspects of performing an infrared inspection. A clear image not only allows for optimal problem diagnosis, but it is also critical to accurate temperature measurement.



Clear focus is not difficult to achieve if you follow a few simple steps:

- Get as close as safely possible to your target.
- Take time to carefully focus for optimum clarity. This may take some practice if you have a motorized focus mechanism.
- Ascertain that your target is stationary.
- Only shoot from a stable platform. If imaging from a motor vehicle, it may be desirable to shut off the engine to avoid vibration.

Be sure your imager is steady as you capture the image. Gently push the store button rather than punching it. If using a handheld imager, consider using a tripod or monopod to help stabilize your imager.

Once you've stored an image, recall and check for clarity. If the results are less than perfect, start over. In addition to greater accuracy, capturing clear images makes it easier to convey information to the end user and/or the person who will eventually perform corrective actions.

[More Information](#)

Turn Up the Heat



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

