



Director's Message



Thermal anomalies are not always as obvious as one might expect. Often, subtle thermal differences can be indicative of major problems. Because infrared thermography is a visual inspection technique, its effectiveness relies on the observation skills of the thermographer. Like any visual inspection technique, a thermographer must actively

Upcoming Courses

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- Aug 4 – 8 Mackay
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- Sep 29 – Oct 3 Seattle
- Oct 13 – 17 Melbourne
- Oct 13 – 17 Seattle
- Oct 20 – 24 Philadelphia
- Oct 27 – 31 Kuala Lumpur
- Nov 3 – 7 Seattle
- Dec 1 – 5 Trinidad

concentrate on the imagery displayed by their thermal imager.

Contrary to popular belief, humans are not inherently effective observers. Because humans tend to be casual in their observations, they frequently overlook subtleties. Whenever imaging, a thermographer's eyes should always visually scan the monitor left to right and up and down while asking him/herself the following three questions:

- What am I seeing?
- Why am I seeing this?
- Is this normal/reportable?

While this approach may sound cumbersome at first, this practice will soon become instinctive and can help prevent you from overlooking the subtle thermal patterns that can be indicative of serious problems.

Splash Protection for Your Imager

Taking your infrared imager into dusty or wet environments can have disastrous consequences for your imager. While it is best to wait for such conditions to subside, you can use a polyethylene sheet or trash bag to temporarily protect your imager and accomplish a qualitative inspection.



Since not all imagers and trash bags are created equal, you can use the following steps to ensure good results.

1. Set up imager looking at thermally stable target with a high emittance. If using an imaging radiometer, note the apparent temperature of the target

- Dec 8 – 12 Philadelphia

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[Thermographer®](#)

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- Nov 10 – 14 Melbourne
- Dec 1 – 5 Kuala Lumpur
- Dec 8 – 12 Trinidad

[Level III Certified Infrared](#)

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- Sep 29 – Oct 1 Philadelphia
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[Full 2014 Schedule](#)

Upcoming Conferences

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

[IR/INFO Conference](#)

Jan 18 – 21, 2015

New Orleans, LA

[SMRP](#)

October 20 – 22, 2014

Orlando, FL

[Thermal Imaging Conference](#)

September 14 – 17, 2015

Las Vegas, NV

Links of Interest

2. Select a clean, unused, polyethylene trash bag with a uniform thickness
3. Open trash bag and place over imager
4. Arrange a single layer of the bag to cover the lens using a rubber band to keep the plastic smooth and wrinkle free over the imager lens
5. Image target in Step 1 again and note the image quality and apparent temperature
6. Repeat above steps using different brand bags and thicknesses until you find a bag that gives minimal attenuation of image and apparent temperature
7. After selecting the bag that works best, trim to fit imager so as to prevent a tripping hazard. If your imager requires air cooling, leave the bottom of the bag open so the imager can 'breathe'

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For thermal imaging projects requiring accurate temperature measurement, the Transmittance of the bag may be calculated by following procedures outlined in the [Standard for Measuring and Compensating for Transmittance of an Attenuating Medium Using Infrared Imaging Radiometers](#) available from Infraspction Institute.

[More Information](#)

CITA Offers Free Membership to Infraspction Grads

The Certified Infrared Thermographer's Association (CITA) is currently offering free Affiliate membership to all graduates of the Infraspction

Institute Certified Infrared Thermographer® program. Individuals may apply for membership at no charge by visiting the [CITA website](#).



CITA provides a number of benefits for its members. The CITA online forum provides thermographers with a portal for accessing technical support, application support, thermographer registrar, opportunities for promotion and advertising, as well as keeping members up-to-date with the latest industry information and trends.

CITA's certification program provides thermographers with access to ISO certification. Regularly scheduled training events provide additional opportunities for ongoing professional development.

[More Information](#)

Early Registration Bonus for IR/INFO Exhibitors

Infraspection Institute is pleased to announce an early registration bonus for exhibitors at its 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 \$495, this bonus provides full conference access, conference proceedings, and a tuition voucher redeemable for a discount on an Infraspection Institute Certified Infrared Thermographer® training course.

Now in its 26th 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 relaxed, yet

professional, family atmosphere. IR/INFO is scheduled for January 18
– 21, 2015 in New Orleans, LA.

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](#)

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