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Director's Message



If you've never noticed an expiration date on a college or high school diploma that's because there isn't one. Although educational diplomas are traditionally issued for the life of the student, the same is not necessarily true for infrared thermographers.

For several years, certain infrared training firms have issued diplomas or certifications that bear expiration dates. In order to keep one's certification 'valid' with such firms, students must recertify by paying a fee and meeting other criteria that have nothing to do with the issuance of the original diploma.

According to the American Society for Nondestructive Testing document, SNT-TC-1A, recertification of NDT personnel is required every 5 years; however, this is the responsibility of the individual's employer. Such recertification is based upon an employee's demonstrated proficiency. It is not based upon their ability to pay a fee to a third-party training firm.

For over 40 years, Infraspection Institute's Certified Infrared Thermographer® training courses have set the standard for thermographer training. Students who successfully complete our Level I, II, or III training courses are issued a diploma that does not expire. If you're a thermographer who has trained elsewhere and have a certification that is about to expire, contact us to find out how you may matriculate directly to one of our courses and earn a diploma that is good for life.

Infrared Inspection of Capacitors

Capacitors are devices commonly found in AC electrical distribution systems where power factor correction is required. Like any electrical component, capacitors need to be regularly checked for proper operation. Infrared thermography can be used to rapidly inspect capacitors from a safe, remote distance.



Capacitors are wound devices that are electrically connected between potential and ground. Capacitors used for power factor correction are generally encased in painted, rectangular steel canisters and often have two equal size bushings for electrical connections. In a three-phase circuit, there may be several capacitors connected to each phase.

Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Mar 1 - 3 Melbourne*
- Mar 13 - 17 Sydney
- Mar 15 - 17 Sydney*
- Mar 27 - 31 Brisbane
- Mar 29 - 31 Brisbane*
- Apr 17 - 21 West Windsor
- Apr 17 - 21 Perth
- Apr 19 - 21 Perth*
- May 8 - 12 Houston
- May 22 - 26 Kuala Lumpur

* Flexible Learning

[Level II Certified Infrared Thermographer®](#)

- Mar 13 - 17 West Windsor
- Jun 12 - 15 West Windsor
- Nov 21 - 25 Melbourne
- Nov 28 - Dec 2 Trinidad

[Level III Certified Infrared Thermographer®](#)

- Sep 18 - 20 West Windsor

[Full 2023 Schedule](#)

The most common failures of capacitors are loose/deteriorated bushing connections, open circuits due to internal winding failure, and open supply circuits. When inspecting capacitors, be sure to:

- Visually inspect capacitor bodies. Capacitors should not be misshapen/swollen.
- Thermographically inspect capacitor bodies. Capacitors should be warmer than ambient air temperature and exhibit equal temperatures across all phases.
- Check bushing and wiring connections for hotspots.

Any thermal anomalies detected should be investigated and corrected as soon as possible. Capacitors operating at ambient temperature should be corrected immediately as imbalanced capacitance can be more detrimental than having no capacitors at all.

[More Information](#)

Course Materials Licensing



Infraspection Institute's course materials licensing program provides a unique opportunity for experienced thermographers to bring quality training to their clients without having to develop their own training materials.

Licensees can elect to teach applications or certification courses. Best of all, our program provides all training materials, course manuals, instructor training, and support.

Benefits of our Program:

- Expand your services and increase profits
- Enhance your credibility
- Provide world-class thermography training with minimal investment

Infraspection Institute's course materials licensing is open to individuals, companies, and educational institutions. It is perfect for those seeking to provide green technology education as well as companies seeking to educate a sizeable thermography team.

[More Information](#)

Save Big on TI Reporter™ Software

In addition to streamlining your infrared report writing, now you can save even more money 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

Upcoming Conferences

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

[NETA PowerTest Conference](#)

March 8 - 12, 2023
Orlando, FL

[NFMT](#)

March 21 - 23
Baltimore, MD

[SMRP Conference](#)

October 16 - 19, 2023
Orlando, FL

[IR/INFO Conference](#)

January 14 - 17, 2024
Orlando, FL

Links of Interest

[IRINFO.ORG](#)

[The RAM Review](#)

[TI-Reporter.com](#)

[IRFeverScreen.com](#)

[NORMI.TV](#)

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. 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 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](#)

Get the Recognition You Deserve



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

