

DPMC Continuous Thermal Monitoring

DPMC Continuous Thermal Monitoring (CTM), in partnership with Exertherm, is based on small non-contact infrared sensors placed inside electrical equipment to continuously monitor thermal changes in key components to protect equipment from thermal failure, mitigate the risk of ARC flash, and reduce or eliminate the need for annual thermography testing.

Benefits of the DPMC CTM Solution:

- **Safety** – DPMC CTM is an automated hands free thermal monitoring system that allows electrical equipment to remain closed while collecting temperature readings of this critical electrical equipment. Because thermal monitoring sensors are mounted inside the critical equipment, equipment panels and doors can remain closed. The risk to a service technician of a surprise ARC flash event or explosion is therefore eliminated. The safety of a service technician is preserved.
- **Equipment Protection** – traditional thermal imaging is designed around a single, one-time, annual inspection. During the time between annual thermal imaging inspections, critical equipment is exposed to thermal stress and potential failure. The most common cause of unplanned outages & Arc Flash incidents is bad connections on both copper and bus bar joints (where it can result in arc flash/explosion, etc). This also occurs on cable connections, where fire is a major result. In both instances the downtime and ancillary damage can be

extensive & highly expensive. Continuous thermal monitoring predicts and protects equipment from thermal failure before a problem occurs.

- **Problem Detection** – the ability to continuously measure evolving changes in temperature within electrical equipment allows a hot spot to be identified before a problem occurs. Left undetected, a hot joint or overheating cable would otherwise result in thermal damage up to and including thermal failure. DPMC CTM proactively detects a problem before a thermal event.
- **Real Time Delta T Reporting** – changes between spot and ambient temperatures is called "Delta T." Delta T measurements are collected and plotted to form a trend line indication of a potential overheating condition. This trend line graphing of Delta T provides a proactive means to catch a potential problem in advance of a thermal event or equipment damage.

Call us at (866) ASK-DPMC (275-3762), or directly at: (415) 462-8950 to find out more about what DPMC can do for you.

The DPMC continuous thermal monitoring is an inexpensive solution to minimize an otherwise extremely hazardous, potentially life-threatening thermal event.



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