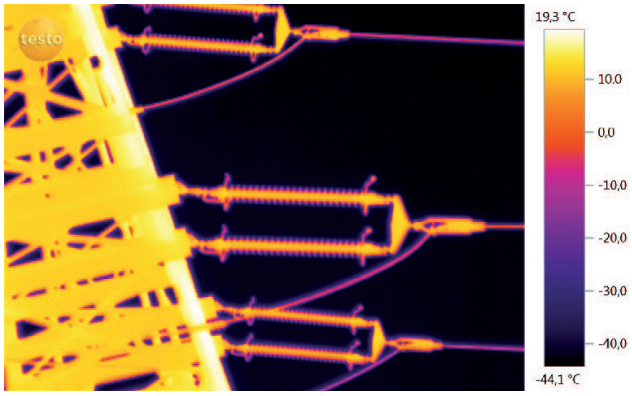
Testo
Application example

Be sure. testo

Thermography of distant objects

See all the details – even at great distances.
Long distances to the measurement object require either a reduction in distance or superior technology. In many situations, measuring technology is the tool of choice: after all, faulty connections on high-voltage lines cannot be examined up close. For this type of remote application, only a very high-resolution detector and a high-quality telephoto lens can provide the necessary level of detail on the thermal image – and thus enable meaningful analyses to be carried out.

Checking the clamp connection on the isolator



Thermal image of the current loop on a dead-end tower

The application.

When "getting as close as possible" is simply not possible.

Whether it's the spatial conditions that prevent you from getting close to the measurement object or concern for your own safety: if you can't get close enough to your measurement object, you need to be able to rely on your technical equipment. When taking thermal images of distant objects, only a high-resolution infrared camera system can help, along with telephoto lenses. This is the only way to clearly detect critical temperature differences and hotspots even at a distance, and to evaluate them without errors.

The solution.

Just stay far away.

The basic requirement for accurate determination of thermal anomalies over long distances, e.g. at line transition points of high-voltage power lines, is to have a powerful detector. You can use the testo 890, which features a 640 x 480 pixel detector, in conjunction with the new Testo SuperResolution technology to create extremely high-resolution thermal images in megapixel quality. Using a telephoto lens, you are guaranteed to see every detail with the testo 890, even on very distant measurement objects, and you can create precise thermographic analyses.

testo 890 thermal imager

More information.

For more information and answers to your questions regarding the thermography of distant objects, please contact our thermography experts by phone on xxxxxxxxx or by e-mail at xxx@testo.xx.

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