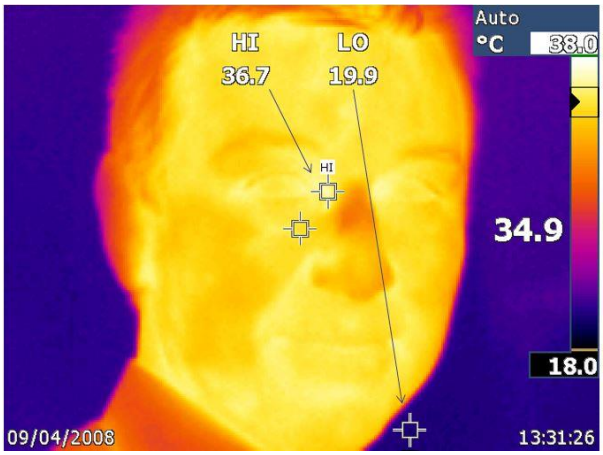
Using Thermal Cameras to detect infection / Elevated Body Temperature



Here at Radir we are a non-contact temperature measurement company dealing predominantly with the industrial process market. However, we have found that with the current Covid19 pandemic, major companies and airports all around the globe are turning to thermal cameras as a way of detecting individual elevated body temperatures. Fluke Infrared sensing can have benefits for this application, and we are seeing a huge increase in demand for this worldwide. Thermal cameras give an extremely fast reading and using them can highlight some people exhibiting a fever instantly. But it cannot identify the Coronavirus as such, and because some people may not show a fever, it is not a guaranteed virus checker.

When viewing skin temperatures, comparison to a known temperature source is desirable to ensure maximum accuracy of the data. The best solution would have the temperature reference positioned in view with as much of the individual's face as possible and using the tear duct as a source. Because IR does not transmit through plastic and lenses without compromising accuracy, screening areas would require the person to remove glasses while also needing to be screened individually and not while in a crowd. However, small group scanning is being done sometimes.

Even with the limitations, thermal cameras are a fast and effective. Right now, we are seeing the use of handheld temperature "guns" priced from as little as £100 to complete thermal camera systems priced around £10K. If any of these issues or challenges relate to your needs at present, please email or ring us more information.

For more information email us at: covid@radir.com

Camera Pan & Tilt

We have heard rumours that there is a NEW thermal camera pan & tilt system to be launched into the European market as an option for our TV40 ThermoView cameras. We will update you with more details once we have confirmation.

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