



bcbTempScan[®] APPLICATION NOTE

Success story: Eaton uses thermography in its personnel access



The american multinational established in its access protocol the detection of elevated skin temperature (EST) through the use of advanced software **bcbFaceScan[®]** based on IR **FLIR** technology.

As part of the return to work after the isolation strategy for containment of the Covid-19, the Eaton company established within the procedure for the entry of personnel and visitors the mandatory measure of body temperature.

After the imprecision of results obtained through the use of infrared pistol thermometers, it was decided to implement a system in accordance with **ISO/TR 13154** and **IEC 80601-2-59** and that would allow, in addition to the measurement of personnel, their registration in an internal log. These needs were met by the multifunctionality of the **bcbFaceScan[®]** system, which can also be adapted to additional requirements such as credential reading by RFID, barcode or QR.

Its temperature collection procedure (data collection and manual measurement with a pistol) was significantly optimized from an average of 15 seconds to just 5 seconds with the new automatic procedure (data assisted collection and temperature measurement with the **bcbFaceScan[®]**).



FLIR A315 is ideal for EST systems and has the resolution recommended by ISO / TR 13154.



Measurement procedure: The person stands in the circle 2m away from the camera.



Eaton facilities in Santo Domingo, Dominican Republic.



Graphical interface of the **bcbFaceScan**, with alarm of high body temperature at 37.5 ° C.