

CASE STUDY

SECTOR
Sport

ORGANISATION
Hallamshire Tennis, Squash
& Racketball Club

LOCATION
Sheffield, UK

THE CUSTOMER

Established in 1885, Hallamshire Club is a founder member of the Lawn Tennis Association, and home to Wimbledon winner Jonny Marray, and Squash champion, Nick Matthew. The club offers excellent facilities for racket sports, and coaching programmes for all abilities to around 1,650 members.



REQUIREMENTS

As COVID-19 presents a considerable risk to the safe running of leisure facilities, the club looked for a way to increase resilience to the virus entering the premises. In addition to hand sanitisers and social distancing measures, the VIRALERT 3 was installed in the reception area to screen for elevated temperatures, an indication of fever associated with COVID-19 and other respiratory infections.

USER ENDORSEMENT

"VIRALERT 3 has given us greater confidence opening the indoor facilities at the club, knowing that we have taken the necessary precautions to keep our members and staff safe. The system is easy to set up and fast to take the measurement, so there is limited waiting time when people are eager to get out on the court!"

VIRALERT PERFORMANCE

Once installed, VIRALERT 3 runs in automatic mode, reducing the need for an operator. Any visitor with an elevated temperature will be double checked with a medical thermometer and if an elevated temperature is confirmed is asked to leave the building safely and to seek medical advice. In total, around 250 people use the system on a daily basis, which is providing an extra layer of security and confidence for staff and members, while minimal operating resources are required.

Tom Murton
General Manager

HUMAN BODY TEMPERATURE SCREENING SYSTEM

Safe, easy and accurate, VIRALERT 3 utilises AMETEK Land's industry-leading thermal imaging technology to screen visitors at point-of-entry for elevated temperatures that could indicate fever.

Unlike handheld thermometers which compromise social distancing requirements, VIRALERT's automatic screening system scans from a distance that complies with social distancing.

Automatic visual and audible alerts provide the warning you need, keeping everyone safe. Developed over 10 years by AMETEK Land's world-leading temperature monitoring experts, VIRALERT 3 is a real-time scanning solution that's safe, accurate, and easy to use.

FIXED TEMPERATURE REFERENCE SOURCE

- Small, light calibration source
- Easy installation/setup
- Removes key source of errors

HI-RESOLUTION IMAGING CAMERA

- Visual and thermal imaging
- Automatic face detection
- Single face-on reading



EASY-TO-USE SOFTWARE

- Intuitive interface
- Core temperature calculations
- Alarm setting recommendations

- SAFE SCREENING** – INSTANT, NON-INTRUSIVE INFRARED THERMAL IMAGING FROM A DISTANCE
- FAST RESPONSE** – MONITOR VISITORS WITHOUT SLOWING THE FLOW OF PEOPLE
- SIMPLE TO USE** – WORKS STRAIGHT OUT OF THE BOX
- HIGHLY ACCURATE** – DEVELOPED BY WORLD-LEADING TEMPERATURE MONITORING EXPERTS

SPECIFICATIONS

ACCURACY

±0.5 °C (±0.9 °F) at a distance of 1 m.

SOFTWARE

Continuous live thermal and visual image with automatic face detection. Abnormal high temperatures displayed in red, with on-screen and audio alarms. Calculates core temperature from measured skin temperature.

IMAGER

Connects to a local PC for display and power needs. Operates between 10 to 50 °C (50 to 122 °F).

IMAGER VISUAL

CMOS colour sensor 1.2 MP (1280 x 960) resolution at 12 fps.

IMAGER THERMAL

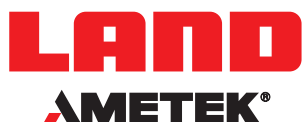
With a measurement range between 30 to 45 °C (86 to 113 °F), the imager has a 39 x 31° field of view, frame rate of <9Hz, and temperature resolution of <0.12 °C (<0.22 °F).

BLACKBODY REFERENCE SOURCE

Powered by 5V DC (USB) from a universal power adaptor, the fixed temperature reference source is at 38 °C (100.4 °F) for a combined accuracy/stability of ±0.2 °C (±0.3 °F).


AMETEK LAND IS PLEASED TO CONFIRM THAT THE VIRALERT PRODUCT FAMILY IS NDAA COMPLIANT AND DOES NOT CONTAIN ANY COMPONENT PARTS MANUFACTURED BY ANY ENTITY SANCTIONED BY THE GOVERNMENT OF THE UNITED STATES UNDER SECTION 889 OF THE JOHN S. MCCAIN NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2019.

Disclaimer: Human skin temperature is affected by a wide number of environmental and physiological factors. Elevated facial skin temperature may signify a raised body core temperature; correspondingly, an elevated core temperature may not be accompanied by a raised facial skin temperature. VIRALERT systems are accurate scientific systems that must be operated strictly in accordance with the manufacturer's operating manual. VIRALERT systems are not intended, nor designed, to diagnose or detect medical conditions including, but not limited to, viruses or other illnesses. AMETEK Land thermal imaging products should only be used to detect variations of surface temperature. If elevated skin temperature is detected, the finding should be confirmed by other means, for example, an approved medical thermometer. The absence of an elevated skin temperature does not exclude a fever. Images shown in this document are for illustrative purposes only.



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