

CASE STUDY

SECTOR
Education

ORGANISATION
Westbourne School

LOCATION
Sheffield, UK

THE CUSTOMER

Westbourne School is an independent school for boys and girls aged 3–16 years old. Based in the leafy historic suburbs of Sheffield it has been championing co-education for over 30 years and is the only established co-educational independent school in the area.



REQUIREMENTS

As COVID-19 presents a considerable risk to the safe running of education facilities, the school 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

"The VIRALERT system has been a fantastic addition to the safety protocols that the school have implemented to keep pupils and staff safe through the pandemic. The measurement process is quick and simple and has become part of everyone's daily routine. It gives an extra level of confidence for pupils, staff and parents that every measure has been taken to ensure the children can continue to learn in a safe environment."



John Hicks (M.Ed)
Headmaster, Westbourne School

VIRALERT PERFORMANCE

The VIRALERT 3 is automatic and scans for elevated temperatures, alerting staff so that a secondary check with a medical thermometer can be carried out to verify a fever. This provides an extra layer of security and confidence for all while requiring minimal resources and disruption.



HUMAN BODY TEMPERATURE SCREENING SYSTEM

Safe, easy and accurate, VIRALERT 3 utilises AMETEK Land's industry-leading thermal imaging technology to screen visitors 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.

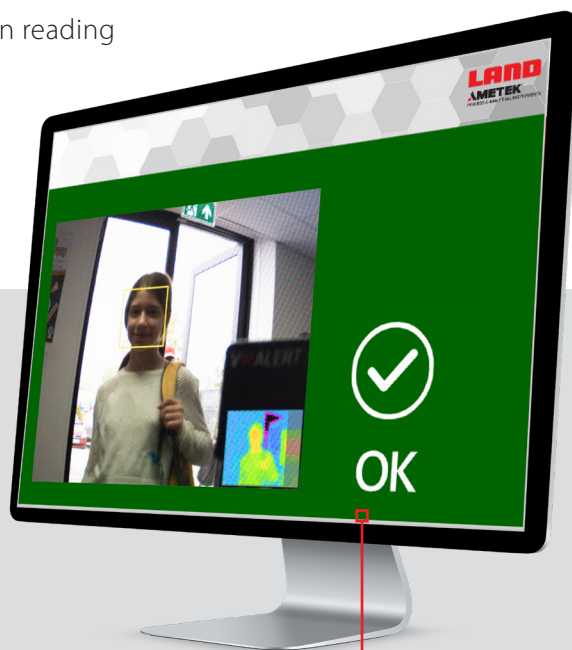
Automatic visual, audible and email alerts provide the warning you need, keeping everyone safe. Developed over 10 years by AMETEK Land's world-leading temperature monitoring experts, VIRALERT 3 is a real-time scanning solution that's safe, accurate, and easy to use.

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

$\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) 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 $^{\circ}\text{C}$ (50 to 122 $^{\circ}\text{F}$).

IMAGER VISUAL

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

IMAGER THERMAL

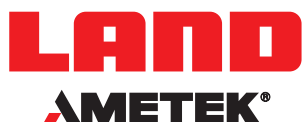
With a measurement range between 30 to 45 $^{\circ}\text{C}$ (86 to 113 $^{\circ}\text{F}$), the imager has a 39 x 31 $^{\circ}$ field of view, frame rate of <9Hz, and temperature resolution of <0.12 $^{\circ}\text{C}$ (<0.22 $^{\circ}\text{F}$).

BLACKBODY REFERENCE SOURCE

Powered by 5V DC (USB) from a universal power adaptor, the fixed temperature reference source is at 38 $^{\circ}\text{C}$ (100.4 $^{\circ}\text{F}$) for a combined accuracy/stability of $\pm 0.2^{\circ}\text{C}$ ($\pm 0.3^{\circ}\text{F}$).

AMETEK LAND IS PLEASED TO CONFIRM THAT THE VIRALERT PRODUCT FAMILY IS FDA AND 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.



CONTACT US



landviralert.com



land.enquiry@ametek.com

