

TECHNICAL SPECIFICATIONS OF THE DEVICE

PERFORMANCE OF MEASUREMENTS	
Thermal detector	Hybrid - IR Thermal & RGB
Resolution	IR Thermal 320 x 240, RGB 640 x 480
IR Thermal sensitivity	≤ 50mK
Measurement range	32 °C – 40 °C
Measurement stability	YES - integrated reference black body as an integral part of the device
Measurement uncertainty	± 0,25 °C
Measurement distance	0.5 m to 1 m – reference distance 0.75 m
Measuring range	By height – from 150 cm up to 200 cm
Measurement time	1 person / sec (max)
Measurement robustness	Human face position detector, measurement correction with reference black body.
OPERATING CONDITIONS / INSTALLATION under the key guidelines of IEC 80601-2-59	
Installation	Closed room without direct sunlight. No drafts, constant temperature, no sources of heat or cooling, no mirrored surfaces. Illumination of the installation space at least 200 lux.
Ambient temperature	18 °C – 24 °C
Humidity	10% to 75% (recommended <50%)
Stabilization time before starting the measurements	Time from start-up to stable operation of the device: 15 minutes at an ambient temperature of 20 °C.
INTEGRATION	
Power supply	230 VAC; 60 W
Connectivity	Ethernet TCP/IP, mobile modem (optional)
Installation	Wall-mounted (left/right)
Application program interface	Alerts, limit levels, alarms, communication parameters. API (REST API) ready for integration with the time and attendance registration system.
User interface	LCD touch screen, LEDs
Registration card reader	Optional (13,56MHz/125kHz)
Installation and setup instructions	Yes
Dimensions	Height 795 mm, diameter 156 mm, length of black body bracket 750 mm
STANDARDS	
CE mark	Yes
EN 61010-1:2010	Yes, including EN 61010-1:2010/A1:2019.
EN 61326-1:2013	Yes
EN 62311:2008	Yes
IEC 80601-2-59	All guidelines for achieving measurement capability are followed.
GDPR compliant	Yes