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NEOSmart  
• Smart Thermal Detector



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V1-290720

NEOSmart

SMART THERMAL DETECTOR



✓  
36.3°  
NORMAL



A.I. FEATURES CONCEPT

SHARP

SHARP DISTANCE MEASURING & TEMPERATURE SENSOR

OMRON

Contactless sensor

OMRON ASIC-TECHNOLOGY SENSITIVE INFRARED SENSOR



200 million units sold worldwide



neosys.com.sg

# SMART THERMAL DETECTOR

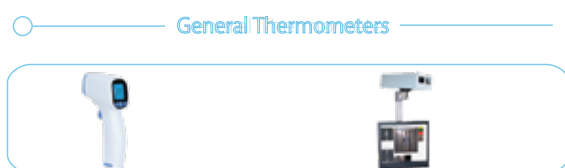
## COMMERCIAL GRADE SCREENING SYSTEM

Smart Thermal Detector uses thermal, infrared, environment temperature and AI features concept. Perform contactless and automatic body temperature screening to quickly identify abnormal temperature symptoms.

- Body temperature measurement is done within a second. This system is built for quick scanning and avoiding human errors.
- The system is automatically triggered if the body temperature exceeds the threshold.
- Connection with internet and CMS System with encryption makes it easy for recording, tracking, analysis and statistics.

	neosmart	Forehead Thermometer Gun	Semiautomatic High Resolution Thermal Detection System
Auto Operation	✓	✗	✗
Contactless measurement (Risk of infection)	Further distance & contactless detection reducing risk of infection	Close distance increasing the risk of infection	Further distance & contactless detection reducing risk of infection
Measuring Speed	1-2 seconds/person	2-4 seconds/person	1-3 seconds/person
Accuracy	OMRON SHARP Temperature sensor standard	Might be affected by temperature	Using high resolution thermal detection
Auto Recording	✓	✗	✗
Auto Operation	✓	✗	✗
Alarm	Auto alarm sound & immediate SMS to multiple administrator	✗	Only alarm sound
Auto Supervision	✓	✗	✗
Other add-on Features	Information display & broadcasting for campus Face recognition + clock card machine Thermal thermometer + A.I. IoT Control, display on-site temperature & intelligent switch	✗	✗

- CONTACTLESS (MEASUREMENT DISTANCE 0.1-0.5m)
- 1 SECOND QUICK SCAN
- BUILT-IN NFC SWIPE CARD READER
- MEASURE DISTANCE 100mm-350mm
- HIGH TEMPERATURE ALERT
- AUTOMATIC RECORD & CAPTURE + TRACKING
- ABILITY TO LINK MULTIPLE DETECTORS
- COMPACT AND PORTABLE 15" SIZE 10.2" DISPLAY



# ADVANTAGES OF SMART THERMAL DETECTOR

- No need for manual operation or supervision
- Further distance & contactless detection reducing the risk of cross infection
- 1 - 2 seconds/person on average (Best for campus, corporates, churches, clubs restaurants, hotels, theatres, residentials, construction sites, retails, entrances/ exits)
- +/- 0.3°C on average (Japanese Industrial Standards OMRON thermometer + SHARP (Lidar) Distance Measuring Sensor and Temperature Sensor + A.I. Detection)
- Built-in Android/Intel microcomputer, auto & online records each individual temperature and detection time, easy to re-check online
- Automatic timer to switch on/off, no need for manual operation
- Automatic sound alarm, and immediate SMS and other notification to multiple administrators
- Supports schools/corporates monitoring whether each personnel of different classrooms/departments have completed morning/afternoon temperature checks
- (A): Information display and broadcasting for campus  
(B): Face recognition + clock card machine: attendance/timing record or opening door management  
(C): Thermal thermometer + temperature thermometer + A.I. - IoT Control, display on-site temperature and intelligent switch to turn on/off appliances



OMRON ASIC-TECHNOLOGY SENSITIVE INFRARED SENSOR



SHARP DISTANCE MEASURING & TEMPERATURE SENSOR



Product Specification

CPU/OS	Cortex A7 Quad Core 1.2 GHz / Android 7.1		
Screen Size	10.2 inch IPS Display		
Measure Sensor	Thermal, Optical, Infrared		
Connectivity	NFC, WiFi, LAN x1, USB x2		
Power Consumption	12W	Operating Temperature	10 to 40°C
Dimensions	L 38x W24cm	Storage Temperature	-10 to 60°C
Weight	1.5kg	Accuracy	± 0.3°C
Mobile Mount (optional)	100 - 150 cm (H)	Measuring Distance	10-35cm
NFC RFID Frequency	13.56 MHz mifare 1 s50,s70 / mifare Ultra-Light, /mifare Pro, mifare desire		



Kids



Mobile



Desktop



Desktop



Floor Stand



Wall-mount

Types of stand