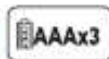


The logo for STMicroelectronics, consisting of the letters 'S' and 'T' in a stylized, bold font. The 'S' is white and the 'T' is grey, both set against a dark red background.

Technical Data Sheet

VA6530A

*Environmental Meter
Infrared Thermometer / Probe*



Application

Infrared thermometers detect infrared energy emitted by objects. The instrument focuses energy through its lens, changing the temperature of a special material that creates an electrical signal. A microcomputer processes this signal and displays the output on the panel of the thermometer.

The laser is used only for sighting the instrument and has no other effect on temperature measurement. It is an ideal tool for industrial quality inspection such as HVAC and electronics manufacturing.

Product Features

Two measurement mode	/
Single dot laser targeting	√
Back light	√
Display selection	°C / °F
MAX/MIN/AVG value	√
Hold function	√
Low battery indication	√

Product Specifications

Measuring Range	-20°C~50°C ±2.5°C (-4°F~122°F ±36.5°F)
	50°C~537°C (reading*1%+1°C / 1°F) (122°F~ 999°F)
	(-4°F~999°F)
TAMB Measurement	/
Resolution	0.1°C/ 32.18°F
D:S ratio	12:1
Response time	1 second
Spectral response	8~14μm
Laser power	< 1mW
Typical distance to target	up to 1.5m
Over range indication	"OL" or "-OL"
Emissivity	0.1-1.00 Adjustable
Auto power off	20s



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