

ENVIRONMENTAL METER

Infrared Thermometer / Probe VA6530A / VA6520 / VA6510 / VA6512

VA6530A



VA6520



VA6510



VA6512



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.

Specifications

	VA6530A	VA6520	VA6512	VA6510
Measurement range	-20°C ~50°C ±2.5°C	-50°C ~-20°C ±5°C	-30°C ~0°C ±4°C	-20°C ~0°C ±5°C
	50°C ~537°C (reading*1%+1°C) (-4°F ~999°F)	-20°C ~500°C ± (reading x 1.5%±2°C) (-58°F ~932°F)	0°C ~270°C ± (reading x 1.5%±2°C) (-22°F ~518°F)	0°C ~270°C ± (reading x 1.5%±3°C) (-4°F ~518°F)
TAMB Measurement	/	0~50°C	/	0~50°C
Resolution	0.1°C	0.1°C	0.1°C	1°C
D:S ratio	12:1	8:1	6:1	6:1
Response time	1 second			
Spectral response	8~14µm			
Laser power	< 1mW			
Typical distance to target	up to 1.5m	up to 1.5m	up to 1m	up to 1m
Over range indication	"OL" or "-OL"	"OL" or "-OL"	"OL" or "-OL"	"OL" or "-OL"
Emissivity	0.1-1.00 Adjustable	0.95	0.95	0.95
Auto power off	20s	20s	30s	30s

* TAMB = Ambient Temperature

Features

	VA6530A	VA6520	VA6512	VA6510
Two measurement mode	/	/	Infrared and Probe	/
Single dot laser targeting	✓	✓	✓	✓
Back light	✓	✓	/	✓
Display selection	°C / °F	°C / °F	°C / °F	°C / °F
MAX/MIN/AVG value	✓	✓	/	✓
Hold function	✓	✓	✓	✓
Low battery indication	✓	✓	✓	✓

Probe Measurement (VA6512)

Range(-58 °F ~518 °F)	Accuracy	Resolution
-50°C ~-20°C	±(reading x 1.5%±1°C)	0.1°C
-20°C ~200°C	±(reading x 1.0%±1°C)	
200°C ~270°C	±(reading x 2.0%±4°C)	1°C