



## Gun type Infrared Thermometer with alarm buzzer 8861/8866

- The most popular IR gun and measure up to 420°C with high /low audible alarm
- Quick and accurate response: 500ms
- Built-in laser beam (670nm) for targeting and complies with FDA class II
- 8866:Adjustable emissivity from 0.3 to 1.0 for metal and non-metal surface measurement
- D:S ratio up to 10:1



Model	8861	8866
Temp. range	-20~420°C	
Temp. resolution	1°C/°F	
Temp. accuracy (Which is greater)	+/-2.5% or 2°C (whichever is greater) at 18~28°C operation temperature	
Repeatability	+/-1°C	
Emissivity	0.95	0.3~1.0 Adjustable
D:S ratio	10:1	
LCD size	19(H)x34(W)mm	
Operating temp.	10~40°C	
Operating RH%	Humidity < 80%	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension	208x116x49 mm	
Laser sighting	NO	Yes
MAX/MIN/ΔT/AVG	NO	Yes
HI/LOW audible alarm	NO	Yes
9 points memory	Yes	
Weight	240g	
Battery	9V battery x 1pc	
Battery Life	100hours	
Standard Package	Meter/Battery/Manual/Hard carry case	

### EMISSIVITY VALUES

Typical Emissivity Values-Metals

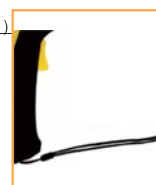
SURFACE	EMISSIVITY
<b>Iron and Steel</b>	
Cast iron (polished)	0.2
Cast iron (tumed at 100°C)	0.45
Cast iron (tumed at 1000°C)	0.6 to 0.7
Steel (ground sheet)	0.6
Mild steel	0.3 to 0.5
Steel plate(oxidized)	0.9
Iron plate (rusted)	0.7 to 0.85
Cast iron (rough)rusted	0.95
Rough ingot iron	0.9
Molten cast iron	0.3
Molten mide steel	0.3 to 0.4
Stainless steel (polished)	0.1
Stainless steel (Various)	0.2 to 0.6
<b>Aluminum</b>	
Polished aluminum	0.1*
Aluminum (heavily oxidized)	0.25
Aluminum oxide at 260°C	0.6
Aluminum oxide at 800°C	0.3
Aluminum Alloys, various	0.1 to 0.25
<b>Brass</b>	
Brass (polished)	0.1*
Brass (roughened surface)	0.2
Brass (oxide)	0.6

#### Ordering Code

VZ8861AZ, 8861 IR Thermometer  
VZ8866AZ, 8866 IR Thermometer



POUCH ( SOFT CARRY CASE )  
P/N: VM68890A  
COLOR: BLACK  
SIZE:152X84X45MM



STRAP (WRIST STRAP )  
P/N: VM68886A  
COLOR: BLACK  
SIZE:~220MM