



### Emissivity

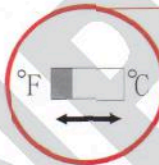
Material	Emissivity	Material	Emissivity
Aluminum	0.30	Iron	0.70
Asbestos	0.95	Lead	0.50
Asphalt	0.95	Limestone	0.98
Basalt	0.70	Oil	0.94
Brass	0.50	Paint	0.93
Brick	0.90	Paper	0.95
Carbon	0.85	Plastic	0.95
Ceramic	0.95	Rubber	0.95
Concrete	0.95	Sand	0.90
Copper	0.95	Skin	0.98
Dirt	0.94	Snow	0.90
Frozen food	0.90	Steel	0.80
Hot food	0.93	Textiles	0.94
Glass(plate)	0.85	Water	0.93
Ice	0.98	Wood	0.94

RS232 port

Laser

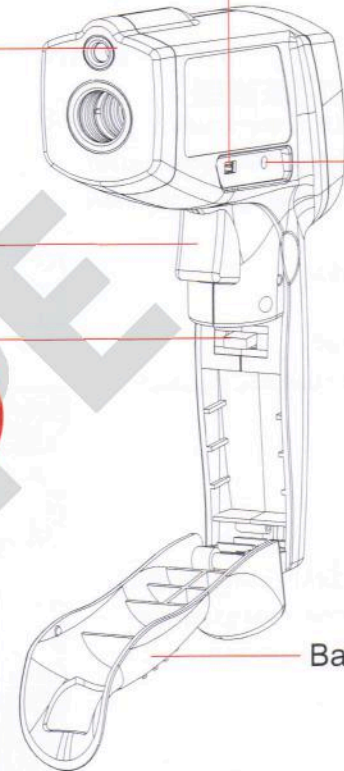
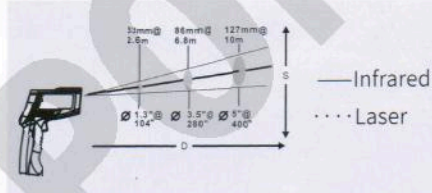
DC IN

Trigger



Distance(D) to Spot size(S)

D:S=80:1

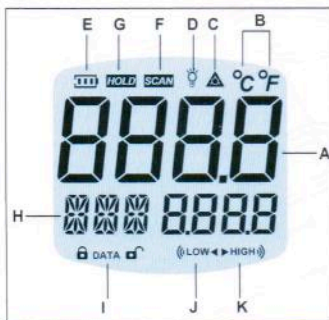


Battery door

### LCD display & buttons

1. LCD display:

- A: measuring reading
- B: measuring unit
- C: laser on icon
- D: back light on icon
- E: battery power icon
- F: scanning icon
- G: data hold icon
- H: mode/emissivity indicator
- I: data storage / read icon
- J: low temperature alarm icon
- K: high temperature alarm icon



### Specification

Temperature range	200 ~ 2200°C (392 ~ 3992°F) 200°C(392°F)~ 450°C(842°F): ±2°C or ±2% 450°C(842°F)~ 1100°C(2012°F): ±3°C or ±3% 1100°C(2012°F)~ 2200°C(3992°F): ±4°C or ±3% whichever is bigger
Accuracy	
Resolution	0.1°C or 0.1°F
Repeatability	1% of reading or 1°C
Response time	500 mSec, 95% response
Spectral response	900~1700 nm
Emissivity	0.10~1.00 Adjustable (0.95 Preset)
Distance to Spot size	80:1
Operating Temperature	0°C ~40°C (32°F ~ 104°F)
Operating Humidity	10%RH~95%RH non-condensing, up to 30°C(86°F)
Storage Temperature	-20°C ~ 60°C (-4°F~140°F)
Power	9V Alkaline battery or 9V 500mA DC IN
Typical battery life (Alkaline)	Laser Models:10 hrs
Weight	270g
Dimension	141*60*200mm