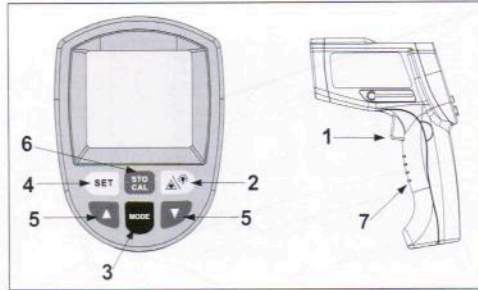




### LCD display & buttons

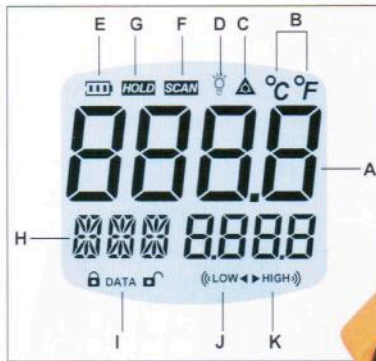
1.LCD display:

- 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

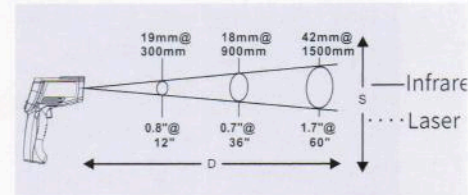


### Diagram description

- 1.Trigger
- 2.Laser / back light button
- 3-6.key functions
- 7.Celsius/Fahrenheit switch



Distance(D) to Spot size(S)  
D:S=50:1



### Specification

Temperature range	200~1650°C (392~3002°F)
Accuracy	±1.5°C(±2.7°F) or ±1.5%
Resolution	0.1°C or 0.1°F
Repeatability	1% of reading or 1°C
Response time	500 mSec, 95% response
Spectral response	8um~14 um
Emissivity	0.10~1.00 Adjustable (0.95 Preset)
Distance to Spot size	50:1
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 or NiCd battery
Typical battery life (Alkaline)	Non-laser mode: 22 hrs;Laser Models:12 hrs
Weight	270g
Dimension	141*60*200mm

### 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