



GM1150/1150A/1350/1500/1650/1651/1850/2200

Infrared thermometer GM700/GM900



Function	GM1150	GM1150A	GM1350	GM1500	GM1650	GM1651	GM1850	GM2200
Position the laser	√	√	√	√	√	√	√	√
°C/°F temperature unit switch	√	√	√	√	√	√	√	√
Backlit screen	√	√	√	√	√	√	√	√
Battery level reminder	√	√	√	√	√	√	√	√
Data retention	√	√	√	√	√	√	√	√
Data storage and reading	√	√	√	√	√	√	√	√
High and low temperature alarm	√	√	√	√	√	√	√	√
Max, Min, Dif, Avg value display	√	√	√	√	√	√	√	√
Adjustable emissivity	√	√	√	√	√	√	√	√
Automatic shutdown	√	√	√	√	√	√	√	√
USB transfer function	x	x	x	x	x	√	√	√

Specification	GM1150	GM1150A	GM1350	GM1500	GM1650	GM1651	GM1850	GM2200
Temperature range	-30~1150°C (-22~2102°F)	-30~1150°C (-22~2102°F)	-30~1350°C (-22~2462°F)	-30~1500°C (-22~2732°F)	200~1650°C (392~3002°F)	-30~1650°C (-22~3002°F)	200~1850°C (392~3362°F)	200~2200°C (392~3992°F)
Repeatability	1% of reading or 1°C							
Distance to spotsize	20:1	50:1	50:1	50:1	50:1	50:1	80:1	80:1
Spectral response	5~14 um	8~14 um	8-14 um	8-14 um	8-14 um	8-14 um	900~1700 nm	900~1700 nm
Accuracy	>0°C:±1.5°C or ±1.5%,Whichever is greater <0°C:±3°C							
Emissivity	0.10-1.00 adjustable (pre-set 0.95)							
Weight	270g							
Dimension	141*60*200mm							
Power	9V Alkaline battery or 9V 500mA DC IN							

Function
►Data storage
►LCD backlight
►Data retention
►Position the laser
►Automatic shutdown
►Battery level reminder
►Temperature measurement
►High/low temperature alarm
►°C/°F temperature unit conversion
►Maximum/minimum/difference/average value display

Emissivity			
Marterial	Emissivity	Marterial	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

Specification	GM700	GM900
Temperature range	-50°C~750°C (-58°F~1382°F)	-50°C~950°C (-58°F~1742°F)
Resolution	0.1°C or 0.1°F	
Accuracy	>0°C:±1.5°C or ±1.5%,Whichever is greater <0°C:±3°C	
Repeatability	1% of reading or 1°C	
Response time	500 mSec, 95% response	
Spectral response	8-14 um	
Emissivity	0.10~1.00 Adjustable (0.95 Preset)	
Distance to Spot size	12:1	
Operating Temperature	0°C~40°C (32°F~104°F)	
Operating Humidity	10~95%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	
Weight	220g	
Dimension	175*100*49mm	

Application



- GM1150
- GM1150A
- GM1350
- GM1500
- GM1650



- GM1651
- GM1850
- GM2200

Application



- GM700
- GM900