



Specification	
Temperature range	-32 ~ 280°C (-26 ~ 536°F)
Resolution	0.1°C or 0.1°F
Repeatability	1% of reading or 1°C
Response time	500 mSec, 95% response
Accuracy	>0°C: ±1.5°C or ±1.5%, Whichever is greater <0°C: ±3°C
Spectral response	8-14 μm
Emissivity	0.95 Preset
Distance to Spot size	8:1
Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Operating Humidity	10~90%RH non-condensing up to 30°C(86°F)
Storage Temperature	-20 ~ 60°C (-4~140°F)
Power	1.5V AAA*2 battery
Typical battery life	Laser off: 12 hrs

- Function**
- ▶ LCD backlight
  - ▶ Data retention
  - ▶ Positioning laser
  - ▶ Automatic shut-down
  - ▶ °C/°F temperature unit conversion

Specification	GM300	GM550	GM300E	GM300H	GM550E	GM550H
Temperature range	-50~450°C (-58~842°F)	-50~550°C (-58~1022°F)	-50~420°C (-58~788°F)	-50~420°C (-58~788°F)	-50~550°C (-58~1022°F)	-50~550°C (-58~1022°F)
Distance to Spot size	12:1					
Resolution	0.1°C or 0.1°F					
Accuracy	>0°C: ±1.5°C or ±1.5%, Whichever is greater <0°C: ±3°C					
Response time	500 mSec, 95% response					
Spectral response	5-14 μm					
Emissivity	0.95 Preset		0.10~1.00 Adjustable			
Power	9V (6F22) battery					
Weight	147.5g					
Dimension	153x101x43mm					

Function	GM300	GM550	GM300E	GM300H	GM550E	GM550H
Data retention	√	√	√	√	√	√
Position the laser	√	√	√	√	√	√
Backlit screen	√	√	√	√	√	√
Low battery reminder	√	√	√	√	√	√
°C/°F unit switch	√	√	√	√	√	√
High and low temperature alarm settings	x	x	√	√	√	√
Automatic shutdown	√	√	√	√	√	√
Emissivity can be set	x	x	√	√	√	√
Max, Min, Dif, Avg value	x	x	√	√	√	√
Color display	x	x	x	√	x	√
Ring laser	x	x	x	√	x	√

#### Application



Gas



Low temperature



Smelt



High temperature



Color display



Ring laser positioning



- ☑ GM300
- ☑ GM550



Battery bay

- ☑ GM300E
- ☑ GM550E