

# Infrared Thermometers

## Non-contact Temperature Measurement

IR-806

IR-831

TA601C

GM1651

TA603E

### Applications:

- ◆ HVAC
- ◆ Engines
- ◆ Cold Storage
- ◆ Food Service
- ◆ Mechanical
- ◆ Maintenance
- ◆ Electrical Power
- ◆ Rotating Machines
- ◆ Moving Objects
- ◆ Forging & Welding
- ◆ Metallurgy
- ◆ Plastics & Textiles
- ◆ Coatings and more



Model	IR806	IR831	TA601C	GM1651	TA603E
Temperature Range	-50°C~650°C	-30°C~1350°C	-50°C~880°C	-30°C~1650°C	200°C~2200°C
Basic Accuracy	±2% rdg ±2°C		±(1.5% rdg +1°C)	±1.5°C or ±1.5% whichever is greater	Up to 800°C ±2% Over 800°C ±3%
Optical Resolution	30:1	30:1	12:1	50:1	80:1
Emissivity	Adjustable 0.10~1.00				
Response Time	<500ms				
Spectral Response	8~14µm				
Resolution	0.1°C	0.1°C up to 1000°C 1°C over 1000°C	0.1°C	0.1°C up to 1000°C 1°C over 1000°C	
Laser Aiming	Output <1mW 630~670nm, class 2			Output <1mW 620~690nm, class 2	
	Single beam	Circle dots	Circle dots	Single beam	Single beam
Alarm	No	No	High / Low with Audible and Visual Indication		
Other Functions	Max / Min	Max / Min	Max	Max / Min / Ave / Difference	
Memory (manual save)	No	No	No	80 Readings	255 Readings
USB and Software	No	No	No	Yes (Free download)	No
Weight (approx.)	172g	176g	130g	270g	346g
Dimensions (mm)	156 x 99 x 44	159 x 87 x 50	155 x 92 x 44	200 x 141 x 60	213 x 140 x 60
Accessories	Soft case, 9V battery and manual	Soft case, 9V battery and manual	Soft case, 2 x AAA batteries & manual	Hard case, 9V battery and manual (GM1651 includes USB cable)	