

# STEK Infrared Thermometer 0-300/550/800/1500 °C

With Relative Humidity & Dew Point Measurements



Parameters	STEK IRT-09	STEK IRT-27	STEK IRT-36	STEK IRT-54
IR Measurement Range	-40 to 300°C (-22°F~572°F)	-50°C~550°C (-58°F~1472°F)	-50°C~800°C (-58°F~1472°F)	-50°C~1500°C* (-58°F~2732°F)
Accuracy	±1% ± 1 digit or ±2°C ± 1 digit, whichever is larger: for 0 to 300°C; ±3°C: for -30 to 0°C ±5°C: For less than -30°C At ambient temperature of 25 ± 2°C	-50°C~0°C:±3°C 0°C~550°C:±(1.5%+2) At ambient temperature of 25 ± 2°C	-50°C~0°C:±3°C 0°C~800°C:±(1.5%+2) At ambient temperature of 25 ± 2°C	50°C~0°C:±3°C 0°C~1500°C:±(2%+2) At ambient temperature of 25 ± 2°C
K type thermocouple Measurement Range	NA	NA	-40°C~500°C (-40°F~932°F)	NA
Accuracy	NA	NA	±(1.5%+2)	NA
Ambient temperature Measurement Range	NA	NA	-10°C~60°C (14°F~140°F)	NA
Accuracy	NA	NA	±1.5°C	NA
Relative humidity Measurement Range	NA	NA	0%~99%RH	NA
Accuracy	NA	NA	±5%RH	NA
Ambient Dew point temperature Measurement Range	NA	NA	-10°C~50°C (14°F~140°F)	NA
Accuracy	NA	NA	±1.5°C	NA
Display	Back light LCD	Backlight Colour OLED	Backlight Colour OLED	Back light LCD
Laser Aliming	<1mW(630nm~650nm) Single point measurement area indication	<1mW(630nm~650nm) 12 point circular measurement area indication	<1mW(630nm~650nm) 12 point circular measurement area indication	<1mW(630nm~650nm) Dual Laser on circumference of measurement area
D:S (optics) Call For Optical Chart	10:1	12:1	12:1	50:1
Emissivity	0.95 (default)0.8 to 1.0 adjustable by internal switch (0.05 increments)	0.10 to 1.00 Digitally	0.10 to 1.00 Digitally	0.10 to 1.00 Digitally
Spectral response	8~14um			
°C/°F display	√			
Response time	<0.5S			
Temperature upper / lower limit alarm (Red/Yellow/Green)	NA	√	√	NA
Mildew alarm (Red/Yellow/Green)	NA	NA	√	NA
Data Hold	√	√	√	√
Back light	√	√	√	√
Auto power off	√	√	√	√
Low battery indication	√	√	√	√
MAX	NA	√	√	√
Power	2x1.5V AAA battery	2x1.5V AA battery	2x1.5V AA battery	1 X 9V Battery
Safety Rating	EN61326,EN60825			
Ingress Protection(IP) against dust, Humidity and Water	IP67, safe to use in high Dust / Humid /Rain	IP40	IP40	IP40

\* For measurement of Metals at High Temperature of Shiny Surfaces these models wavelength is not suitable. We have other Special Models for these application

