

<b>Product specifications</b>	
Infrared temperature range	566:-40 °C to 650 °C (-40 °F to 1202 °F) 568:-40 °C to 800 °C (-40 °F to 1472 °F)
Infrared accuracy	< 0 °C (32 °F): ± (1.0 °C (± 2.0 °F) + 0.1°/1 °C or °F); > 0 °C (32 °F): ± 1 % or ± 1.0 °C (± 2.0 °F), whichever is greater
Display resolution	0.1 °C / 0.1 °F
Infrared spectral response	8 μm to 14 μm
Infrared response time	< 500 msec
Thermocouple Type-K input temperature range	-270 °C to 1372 °C (-454 °F to 2501 °F)
Thermocouple Type-K input accuracy	-270°C to -40°C: ± (1 °C + 0.2 °/1 °C) (-454 °F to -40 °F: ± (2 °F + 0.2 °/1 °F)) -40°C to 1372°C: ± 1 % or 1 °C (-40 °F to 2501 °F: ± 1 % or 2 °F), whichever is greater
D:S (distance to measurement spot size)	566:30:1 568:50:1
Laser sighting	Single-point laser < 1 mw output Class 2 (II) operation, 630 nm to 670 nm
Minimum spot size	19 mm (0.75 in)
Emissivity adjustment	By built-in table of common materials or digitally adjustable from 0.10 to 1.00 by 0.01
Data storage with Date/Time stamp	566:20 points 568:99 points
PC Interface and cable	566:None 568:USB 2.0 with FlukeView® Forms software
Hi/Low alarms	Audible and two-color visual
Min/Max/Avg/Dif	Yes
Display	Dot matrix 98 x 96 pixels with function menus
Backlight	Two levels, normal and extra bright for darker environments
Trigger lock	Yes
Switchable Celsius and Fahrenheit	Yes
Power	566:2 AA/LR6 Batteries 568:2 AA/LR6 Batteries and USB when used with a PC

Battery life	If used continuously: laser and backlight on, 12 hours; laser and backlight off, 100 hours
Operating temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage temperature	-20 °C to 60 °C (-40 °F to 140 °F)
Bead thermocouple Type-K range	-40 °C to 260 °C (-40 °F to 500 °F)
Bead thermocouple Type-K accuracy	± 1.1 °C (2.0 °F) from 0 °C to 260 °C (32 °F to 500 °F), typically within 1.1 °C (2.0 °F) from -40 °C to 0 °C (-40 °F to 32 °F)