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Fluke 60 Series Handheld Infrared Thermometers

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Specifications

Backlit display for use in poorly lit areas	Fluke 61Yes Fluke 65Yes Fluke 62Yes Fluke 63Yes Fluke 66Yes Fluke 68Yes
Holds temperature readings	Fluke 61Yes Fluke 65Yes Fluke 62Yes Fluke 63Yes Fluke 66Yes Fluke 68Yes
Range	Fluke 61-18 to 275 °C (-0 to 525 °F) Fluke 65-40 to 500 °C (-40 to 932 °F) Fluke 62-30 to 500 °C (-20° to 932 °F) Fluke 63-32 to 545 °C (-25 to 999 °F) Fluke 66-32 to 600 °C (-25 to 1100 °F) Fluke 68-32 to 760 °C (-25 to 1400 °F)
MIN/MAX/AVG	Fluke 61N/A Fluke 65MIN/MAX Fluke 62MAX Fluke 63MAX Fluke 66All Fluke 68All
Datalogging	Fluke 61N/A Fluke 65N/A Fluke 62N/A Fluke 63N/A Fluke 66Yes Fluke 68Yes
Distance to spot ratio	Fluke 618:1 Fluke 658:1 Fluke 6210:1 at 80% energy Fluke 6312:1 Fluke 6630:1 Fluke 6850:1
Hi-Lo Alarm	Fluke 61N/A Fluke 65N/A Fluke 62N/A Fluke 63Yes Fluke 66Yes Fluke 68Yes
Optional RTD probe (contact temperature measurement)	Fluke 61N/A Fluke 65N/A Fluke 62N/A Fluke 63N/A Fluke 66Yes Fluke 68Yes

Emissivity	Fluke 61 Fixed at 0.95 Fluke 65 Fixed at 0.95 Fluke 62 Fixed at 0.95 Fluke 63 Fixed at 0.95 Fluke 66 Digitally adjustable (from 0.1 to 1.0 by 0.01) Fluke 68 Digitally adjustable (from 0.1 to 1.0 by 0.01)
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Measurement Accuracy	
Fluke 61	-18 °C (0 °F) to -1 °C (30 °F) ± 3 °C (5 °F) above -1 °C (30 °F) to 275 °C ± 2% of reading or 2 °C (3.5 °F) (525 °F) (With the instrument stable between 23-25 °C)
Fluke 65	Above 0 °C (32 °F) : ± 2 °C (± 4 °F) Below 0 °C (32 °F) : ± 5 °C (± 9 °F) (With instrument stable at 23°C ± 3 °C)
Fluke 62	10 °C to 30 °C (50 °F to 86 °F): ± 1 °C (2 °F) Outside 10 °C to 30 °C (50 °F to 86 °F) : ± 1.5 °C (3 °F) or ± 1.5 % of reading, 86 °F): whichever is greater
Fluke 63, 66, 68	-32 to -26 °C (-25 ± 3 °C (± 5 °F) to -15 °F): -26 to -18 °C (-15 ± 2.5 °C (± 4 °F) to 0 °F): -18 to 23 °C (-0 ± 2 °C (± 3 °F) to 73 °F): For targets above 23 °C (73 °F): ± 1% of reading or ± 1 °C (± 2 °F), whichever is greater