Infrared Thermometer Selection Guide





















Temperature range -18 : Accuracy Response time < 50 Optical resolution Close focus model available	Pluke 61 B to 275 °C 2% 500 mSec 8:1	Fluke 60 Series Fluke 63 - 32 to 535 °C 1% < 500 mSec 12:1 Up to 2.5 m	Fluke 66 - 32 to 600 °C 1% < 500 mSec 30:1	Fluke 68 - 32 to 760 °C 1% < 500 mSec 50:1	Fluke 561 - 40 to 550 °C 1% < 500 mSec 12:1	Fluke 560 Series Fluke 566 - 40 to 650 °C 1% < 500 mSec 30:1	Fluke 568 - 40 to 800 °C 1% < 500 mSec 50:1	Fluke 572 - 30 to 900 °C 0.75% < 250 mSec 60:1 (50:1 with close focus)	Fluke 570 Series Fluke 574 - 30 to 900 °C 0.75% < 250 mSec 60:1 (50:1 with close	Fluke 576 - 30 to 900 °C 0.75% < 250 mSec 60:1 (50:1 with close
Temperature range -18 and Accuracy Response time <50 Optical resolution Close focus model available Recommended distance Up	8 to 275 °C 2% 500 mSec 8:1	- 32 to 535 °C 1% < 500 mSec 12:1	- 32 to 600 °C 1% < 500 mSec 30:1	- 32 to 760 °C 1% < 500 mSec	- 40 to 550 °C 1% < 500 mSec	- 40 to 650 °C 1% < 500 mSec	- 40 to 800 °C 1% < 500 mSec	- 30 to 900 °C 0.75% < 250 mSec 60:1 (50:1 with close	- 30 to 900 °C 0.75% < 250 mSec 60:1 (50:1 with close	- 30 to 900 °C 0.75% < 250 mSec 60:1 (50:1
Accuracy Response time < 50 Optical resolution Close focus model available Recommended distance Up	2% 500 mSec 8:1	1% < 500 mSec 12:1	1% < 500 mSec 30:1	1% < 500 mSec	1% < 500 mSec	1% < 500 mSec	1% < 500 mSec	0.75% < 250 mSec 60:1 (50:1 with close	0.75% < 250 mSec 60:1 (50:1 with close	0.75% < 250 mSec 60:1 (50:1
Response time < 50 Optical resolution Close focus model available Recommended distance Up	500 mSec 8:1	< 500 mSec 12:1	< 500 mSec 30:1	< 500 mSec	< 500 mSec	< 500 mSec	< 500 mSec	< 250 mSec 60:1 (50:1 with close	< 250 mSec 60:1 (50:1 with close	< 250 mSec 60:1 (50:1
Optical resolution Close focus model available Recommended distance Up	9 to 2 m	12:1	30:1		The second secon	The second secon		60:1 (50:1 with close	60:1 (50:1 with close	60:1 (50:1
Close focus model available Recommended distance Up	p to 2 m			50:1	12:1	30:1	50:1	with close	with close	
available Recommended distance Up	•	Up to 2.5 m	Up to 4.5 m					iocusj	focus)	focus)
	•	Up to 2.5 m	Up to 4.5 m					•	•	•
			4	Up to 7.5 m	Up to 2.5 m	Up to 4.5 m	Up to 7.5 m	300 mm (with close focus) up to 10.5 m	300 mm (with close focus) up to 10.5 m	300 mm (with close focus) up to 10.5 m
	ngle-point laser	single-poimt laser	single-point laser	single-point laser	single-point laser	single-point laser	single-point laser	3-point laser	3-point laser	3-point laser
Adjustable emissivity			•	•	•	•	•	•	•	•
MIN/MAX readings		-/●	•	•	•	•	•	•	•	•
AVG readings			•	•		•	•		•	•
DIF readings			•	•	•	•			•	•
Backlit LCD	•	•	•	•	•	•	•	•	•	•
Bar graph display								•	•	•
Audible Hi/Lo alarm			•	•		•	•	•/-	•	•
Visible Hi/Lo alarm			•	•		•	•	●/-	•	•
Includes contact probe					•		•		•	•
Probe input (types)			RTD	RTD	Type K Thermocouple	Type K Thermocouple	Type K Thermocouple		Type K Thermocouple	Type K Thermocouple
Data logging (number of measurements)			12 points	12 points		20 points	99 points		100 points	100 points
PC interface			4				USB		RS232	USB
Compatible with FlukeView Forms software									•	•
Built-in digital camera										•