



ThermoWorks

Alarm Thermometer Selection Chart



	DOT®	Square DOT®	ChefAlarm®	BlueDOT®	Smoke™	Smoke™ + Gateway	Smoke X2™	Smoke X4™	Signals™	ThermaQ® 2	ThermaQ® Blue	ThermaQ® WiFi
Display												
High Alarm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	in app	in app
Low Alarm			✓	in app	✓	✓	✓	✓	✓	✓	in app	in app
Min/Max Temps Displayed			✓	in app	✓	✓	✓	✓	✓	✓	in app	in app
Switch Between °F and °C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Average Function		✓										
Resolution	1°	1°	0.1°	1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1 or 1°	0.1 or 1°	0.1 or 1°
Backlight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transmission Technologies												
Bluetooth®: Works with App				✓					✓		✓	
Wi-Fi: Works with App (Requires Internet)						✓			✓			✓
Log and Graph Cook Temps				in app		in app			in app		in app	in app
Radio Frequency (RF): Pre-paired Receiver Included					✓	✓	✓	✓				
Line-of-Sight Range*				95 ft.	300 ft.	Wi-Fi router dependent	6,562 ft.	6,562 ft.	Wi-Fi router dependent		150 ft.	Wi-Fi router dependent
Transmission Rate				from 2-60 sec.	15 sec.	1 min.	30 sec.	30 sec.	from 10-60 sec.		from 1-30 sec.	from 15 sec.-10 min.
Probes												
Number of Probe Channels	1	2	1	1	2	2	2	4	4	4	2	2
Accuracy	±1.8°F	±1.8°F	±1.8°F	±1.8°F	±1.8°F	±1.8°F	±1.8°F	±1.8°F	±1.8°F	±0.7°F (meter only)	±0.7°F (meter only)	±0.7°F (meter only)
Temperature Range	-58 to 572°F	-58 to 572°F	-58 to 572°F	-58 to 572°F	-58 to 572°F	-58 to 572°F	-58 to 572°F	-58 to 572°F	-58 to 572°F	-148 to 2,502°F	-148 to 2,502°F	-148 to 2,502°F
Works with all Pro-Series® Probes	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Works with all Type K Thermocouple Probes										✓	✓	✓
Housing												
Rugged Housing w/ Molded-in Seals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water Resistance Rating	IP65	IP66	IP65	IP65	IP65	IP65	IP66	IP66	IP66	IP67	IP66/67	IP55
Built-in fan control circuitry (Billows)							✓	✓	✓	✓		
Audible Alarm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	in app	in app
Visual Alarm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Calibration Certificate Included †		NIST-traceable								NIST-traceable	NIST-traceable	NIST-traceable
Calibration Trim ‡			✓	in app	✓	✓	✓	✓	in app	✓		
Warranty	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years
Available in 9 Colors	✓	✓	✓		✓	✓	✓	✓	✓			
Power												
Battery Life (+ Receiver Battery Life, If Included)	5,000 hr.	5,000 hr.	5,000 hr.	500 hr.	1,800 hr. + 1,800 hr.	100 hours	330 hr. + 1,800 hr.	330 hr. + 1,800 hr.	16 hr.	3,000 hr.	3,000 hr.	4,000 hr.
Battery Type (+ Receiver Battery Type, If Included)	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AA + 2 x AA	recharg. lithium	2 x AA + 2 x AA	2 x AA + 2 x AA	recharg. lithium	3 x AAA	1 x AA	2 x AA
Optional AC Power						✓	✓	✓	✓			✓

* Published line-of-sight specs are used to compare models and competition. Based on testing conditions. Your own experience will vary based on physical barriers and radio signal traffic in your area.

† Laboratory calibration certificates are available on any ThermoWorks product for an additional charge.

‡ Calibration Trim buttons allow the unit to be adjusted for accuracy in the field, though a true calibration requires calibration and certification using traceable standards in a laboratory.