



ThermoWorks

# Fridge/Freezer Thermometer Selection Chart



	SPOT	RH SPOT	ThermoDrop	RT801	RT8100	RT8100MAT	NODE	ThermoGuard	ThermoData WiFi
<b>Display</b>									
Reading Type	Temperature	Temp./Humidity	Temperature	Temperature	Temperature	Temperature	Temperature	Temperature	Temp./Humidity
High Alarm				✓	✓	✓	✓	✓	✓
Low Alarm				✓	✓	✓	✓	✓	✓
Display Update Rate	10 sec.	10 sec.	18 sec.	10 sec.	10 sec.	10 sec.	30 sec.–5 min.	1 sec.	1 sec.
Displays Time Elapsed Since Alarm Trigger					✓				
Displays Date & Time of Alarm Trigger						✓			
Min/Max Temps	✓	✓	✓	✓	✓	✓	✓	✓	✓
Monitor Alarms & Temps Through the Internet							✓		✓
Stores a Log of Recorded Temps							In-app		✓
Switch Between °F and °C	✓	✓	✓	✓	✓	✓	✓	✓	✓
Resolution	0.1°	0.1°	1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°
Display Turns Off in the Dark	✓	✓							
Backlight	✓	✓	✓	✓					
<b>Probes</b>									
Number of Probe Channels	1	2	1	2	2	2	1–3	1 or 2	1 or 2
Probe Type	Internal	Internal	Internal	External/Internal	Suction Cup	Suction Cup	Suction Cup/Internal	Internal or External	Internal or External
Accuracy	±1.8°F	±1.8°F	±1.8°F	±1°F	±1.8°F	±1.8°F	±0.9°F	±0.7°F	±0.7°F
Temperature Range	-13 to 122°F	-13 to 122°F	-13 to 122°F	-58 to 158°F	-40 to 158°F	-58 to 158°F	-58° to 158°F*	-58 to 158°F*	-148 to 2502°F*
<b>Housing</b>									
Rugged Housing w/ Molded-in Seals			✓				✓		
Splash Proof Rating	IP67	IP65	IP67				IP66	IP54	IP54
Visual Alarm				✓	✓	✓	✓	✓	✓
Audible Alarm				✓	✓	✓		✓	
Alarm Sound Level				70 dB	70 dB	70 dB		82 dB	
Magnets on Back	✓	✓		✓	✓	✓	Magnetized clip		
Calibration Certificate Included**	NIST-traceable	NIST-traceable	NIST-traceable				NIST-traceable	UKAS	NIST-traceable
Warranty	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years
Available Colors	○●●●●●●●●●●	○●●●●●●●●●●	○●●●●●●●●●●	○	○	●	○●●●●●	○	○
<b>Power</b>									
Battery Life	7,000 hrs.	5,000 hrs.	4,000 hrs.	10,000 hrs.	1 yr.	1 yr.	1 yr.	3 yrs.	1 yr.
Battery Type	1 x CR2032	1 x CR2032	1 x CR2025	1 x CR2032	2 x AAA	2 x AAA	3 x AAA and optional 5V USB-C	2 x AA	2 x AA

\* Internal or ambient sensors have a different range. Check the specs on the product page.  
 \*\* Laboratory calibration certificates are available on any ThermoWorks product for an additional charge.