

iCelsius Comparison Table

	iCelsius	iCelsius Pro	iCelsius BBQ	iCelsius IP2	iCelsius RH
Probe Length & Diameter	25mm ø 4mm (1", ø 0.16")	100mm ø 4mm (4", ø 0.16")	Straight Part: 120mm ø 4mm (4.7", ø 0.16")	Handle: 99mm, ø 16mm (3.9", ø 0.63") Tip: 135mm, ø 3.2mm (5.3", ø 0.125")	25mm ø 5mm (1", ø 0.20")
Cable Length	100cm (3.3 ft)	100cm (3.3 ft)	150cm (4.9 ft)	(Spline Warp)	100cm (3.3 ft)
Measurement Range	-30°C to +70°C (-22°F to 158°F)	-30°C to +150°C (-22°F to 302°F)	-30°C to +250°C (-22°F to 480° F)	-30°C to +120°C (-22°F to 248°F)	Temperature: -40°C to +125°C (-40°F to 257° F) Humidity: 0-100% RH
Accuracy	±0.4°C (±0.7°F) at 25°C (77°F)	±0.2°C (±0.4°F) at 25°C (77°F)	±1.5°C (±2.7°F) from -30°C (-22°F) to +110°C (230°F)	±0.3°C (±0.54°F) from 0°C to 70°C (32°F to 158°F)	Temperature: typical ±0.3°C (0.54° F) Humidity: typical ±3% RH
Response Time (to reach 90% of value)	In water, with stirring: <10sec In moving air: <80sec In still air: <300sec	In water, with stirring: <10sec In moving air: <90sec In still air: <400sec	In water, with stirring: 13sec	In water, with stirring: <5sec In moving air: <80sec In still air: <300sec	(to reach 63.2% of value): Temperature: 5 to 30 sec Humidity: 8 sec typical, air (1m/s)
Display Resolution	0.1°C (0.1°F)	0.1°C (0.1°F)	0.1°C (0.1°F)	0.1°C (0.1°F)	0.1°C (0.1°F) 0.1% RH
Sampling Period	0.5sec to 10sec	0.5sec to 10sec	0.5sec to 10sec	0.5sec to 10sec	1sec
Water proof?	Tip only	Probe & Tip	Tip only	Tip only	No