

iCelsius[®] IP2

Extend your iPhone, inspect for quality

- Food inspection thermometer
- Real-time temperature measurement
- Temperature range: -30C to 120C

A stainless steel tip temperature probe that transforms your iPhone / iPad and iPod touch into an inspection thermometer



Technical Specifications

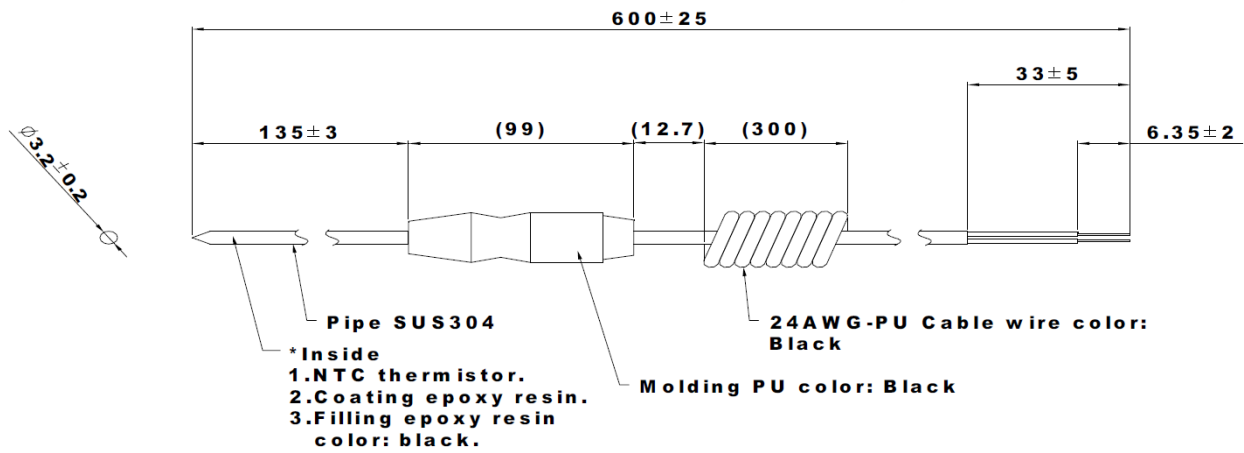
Hardware

Dimensions:	Handle: 99mm, \varnothing 16mm (3.9", \varnothing 0.63") Tip: 135mm, \varnothing 3.2mm (5.3", \varnothing 0.125")
Material:	Stainless steel housing tip PU cable jacket and handle
Weight	75g (2.6oz)
Power requirements	from iPad / iPhone / iPod touch
Measurement range	-30°C to +120°C (-22°F to 248°F)
Accuracy	$\pm 0.3^\circ\text{C}$ ($\pm 0.54^\circ\text{F}$) from 0°C to 70°C (32°F to 158°F) (see chart on next page)
Response time (to reach 90% of value)	In water, with stirring: <5 sec In moving air: <80 sec In still air: <300 sec
Display resolution	0.1°C (0.1°F)
Sampling period:	0.5 sec to 10 sec (configurable)
Operating temperature:	
Probe tip only:	-30°C to +120°C (-22°F to 248°F)
Whole unit:	0°C to +35°C (32°F to 95°F)
Non operating temperature (whole unit):	-20°C to 45°C (-4°F to 113°F)
Relative humidity:	5% to 95% non condensing
Max operating altitude:	3000 m (10,000 feet)
Certifications:	CE, RoHS, MFi (Made for iPod)

Software

Device support	iPhone 4S, 4, 3GS, 3G new iPad, iPad 2, iPad iPod touch 4 th and 3 rd generation
iOS Support	Requires iOS 4.2+ or higher
Installation, launch	Automatic installation when probe first inserted Automatic app launch when probe inserted afterwards
Units	Celsius or Fahrenheit
Printing	Print graphs using Airprint
Sharing	Share graphs on Facebook, Twitter
Data export	CSV: email, iTunes, export to Numbers, Dropbox GIF: email, Picture Library
Alarms	Thresholds for min/max limits Sound alarm, call another phone (iPhone only)
Data storage	Constrained by device memory using internal database
Graphs	Pan, zoom touch support Manual date setup
iCelsius API	We provide an API for selected developers willing to integrate our technology into their apps.

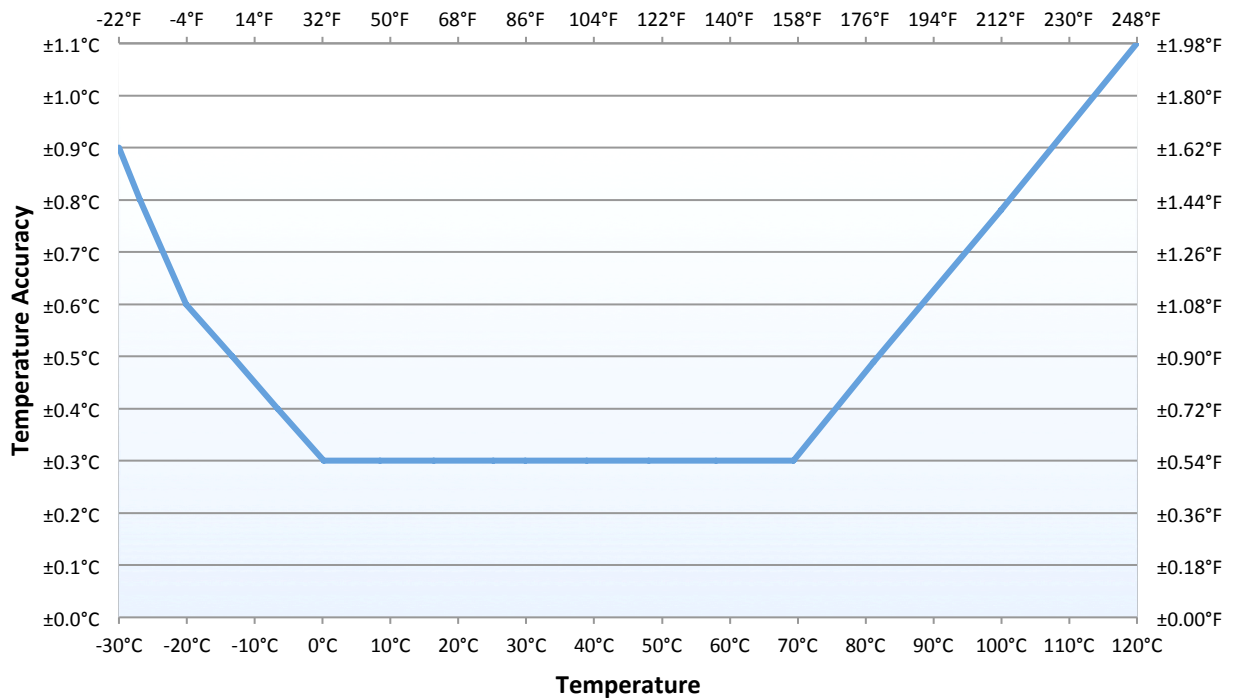
Technical drawing



(dimensions in millimeters, connector not illustrated)

Accuracy chart

iCelsius IP2 Accuracy Chart





More information

The iCelsius is a “Made for iPhone” certified device. The product passed validation tests from Apple Inc.

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iPod



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