Receptor

Extend your Senses with Bluetooth Sensors

Datasheet

Water Resistant (IP65)
Includes Rechargeable Battery
Range:
-30°C to +120°C
-22°F to +248°F

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Technical Specifications

Complete Receptor Unit

Dimensions (LxWxD):	209mm x 23mm x 17mm (8.23" x 0.91" x 0.67")
Handle Material:	Stainless steel
Weight:	128g (4.52oz)
Connector:	microUSB for charging
Battery:	Integrated rechargeable Li-Ion battery
Battery Life:	>100 hours of measurements on a single charge
Bluetooth Technology:	BLE (Bluetooth 4.0 also called Bluetooth Smart)
Security:	"Just Works" pairing, encrypted communication
Operating Temperature:	0°C to 40°C
Non-operating Temperature:	-30°C to 70°C
Relative Humidity:	10% to 90%
Certifications:	FCC, CE, IP65 preliminary rating (testing underway)

Probe

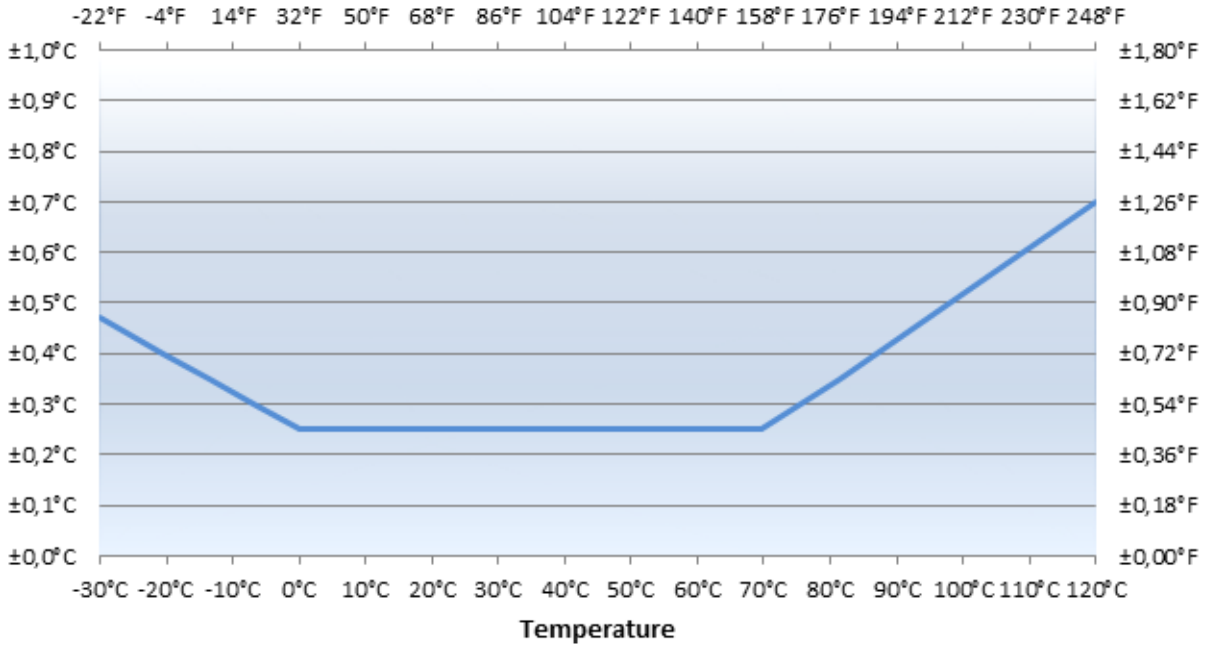
Probe Length & Diameter:	97mm, Ø 3mm (3.82", Ø 0.12")
Probe Material:	Stainless steel
Measurement Range:	-30°C to +120°C (-22°F to +248°F)
Accuracy:	±0.25°C (±0.45°F) at 25°C (77°F).
Response time:	In water, with stirring: 4 sec (to reach 90% of value)

iOS/Android App

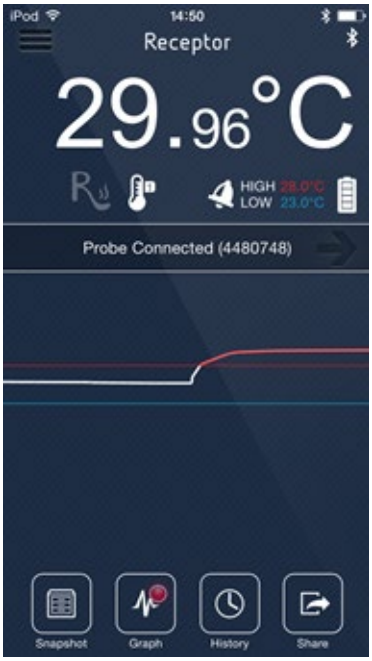
Features:	**Live Display** – Shows useful data in one shot. **Graphs** – With pan and zoom touch support. **Alarms** – Generate alarms when temperature goes outside a configurable (lower and/or upper) limit. On iPhone, call other phones when that happens. **Snapshot Record** – Ability to record a single reading, along with title, picture and note. **Continuous Record** – Ability to continuously record readings as well as to add notes, take a picture and drop a pin on the graph. **History** – Access all your previous records. **Reports** – Generate PDF reports with min, max, average temperature and standard deviation.
Display Resolution:	0.01°C/0.01°F
iCelsius App Supported On:	iOS device with iOS 7.0 or later. Android device with Android 4.3 or later.
Data Export:	Export by email or to iTunes (CSV) or as an image.
Units:	Ability to select [°C] or [°F].
API:	We provide an API to selected developers willing to integrate our technology into their apps.

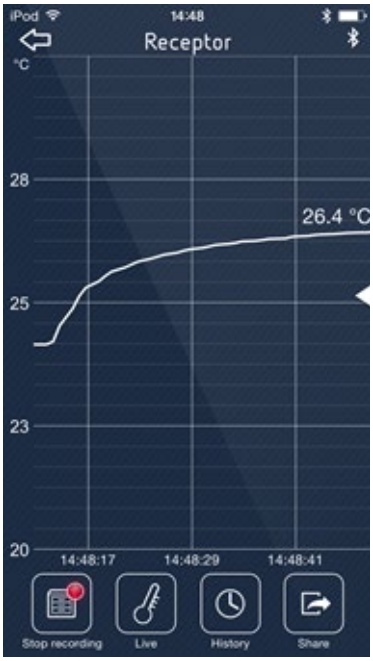
Accuracy Chart

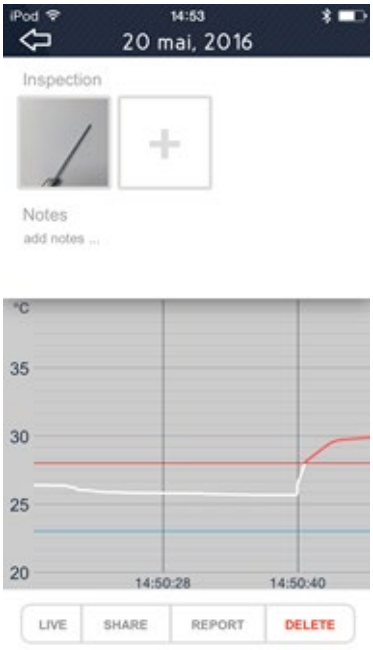
Receptor - Temperature Accuracy Chart



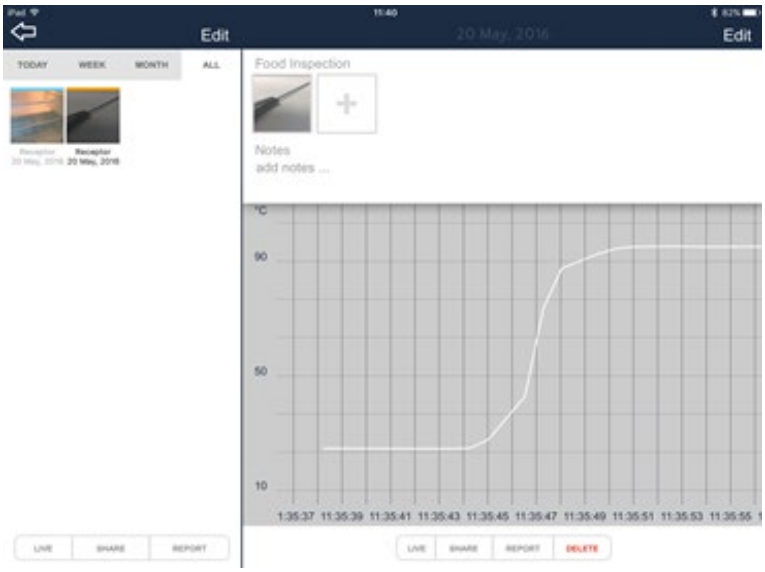
iCelsius App Screenshots







LIST VIEWS SETTINGS HISTORY REPORTS HELP SUPPORT
ALARMS
Receptor (PROBE 1)
RECORDING
00:00:51
24.95°C
Probe Connected (10553870)
UPPER LIMIT
LOWER LIMIT
Alarm
Receptor
25.0 °C


Edit
Edit
TODAY
WEEK
MONTH
ALL
Food Inspection
Notes
add notes ...
LIVE
SHARE
REPORT
DELETE

Done
11:41:03 May 20, 2016
Aginova
AGILE INNOVATIONS
Record Report
11:41:03 May 20, 2016
Receptor
Started: 11:35:38 05-20-2016
Ended: 11:36:18 05-20-2016
Duration: 0h 0m 39s
Temperature
Min: 24.55°C
Max: 95.21°C
Average: 76.20°C
Std dev: 26.70°C
Humidity
Min: 0.00%
Max: 0.00%
Average: 0.00%
Std dev: 0.00%

More information

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