

Digital Thermometer CC3312A

UL Listed NSF Listed IP 65 Rated Face

The CC3312A is a microprocessor thermometer featuring an LED display and an easy front-facing capacitive touch button for rapid °F/°C unit conversion. This digital thermometer can be used in food and refrigerating fields for hot and cold monitoring.



Sample Product Photo

- Waterproof Front
- Plug-In Internal Power Source
- Programmable High and Low Temp Alarms and Defrost Detection
- Sensor Cable Length Customizable
- **NEW!** Optional Front Face Capacitive Touch for One-Touch °F/°C Switching
- **NEW!** Upgraded Internal Components for an Expanded Operating Temp Range

Specifications

Dimensions	2" Dial Diameter
Case	Polycarbonate Plastic in Black
Display	1/2" Tall LED Characters in Red or White
Power Source	Plug-in 12VAc/Dc
Operating Range	-4°F to 180°F (-20°C to 82°C)
Accuracy	± 2°F or ± 1°C
Sensor Bulb	Plated Sleeve Bulb Ø 0.25" x 1.818"
Cable Length*	Black PVC Min ~ 60" (1.5m) Max ~ 590" (15m)

*For custom sensor cable lengths please contact service@howe-technology.com

Sensor Type Options

NTC

PTC

Update Frequencies

1 second

1 minute

3 minutes

Measuring Ranges

-40°F to 230°F
(-40°C to 110°C)

32°F to 392°F
(0°C to 200°C)

50°F to 300°F
(10°C to 150°C)

-58°F to 252°F
(-50°C to 122°C)

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Installation

The instrument is equipped with fast-on type spade terminals with probe connections separated from the power supply connections.

To install the instrument proceed as follows:

Step 1: Make a 2.04 inch round hole in the panel.

Step 2: Slide the U-Clamp over the nylon studs and use the thumb nut to tighten the thermometer to the panel.

Step 3: Set the temperature display unit through the switch.

Step 4: Route the cables to the desired locations inside the case and connect the temperature sensor and power cord mount to the quick connector on the thermometer.

Note: Please confirm the power supply voltage and thermometer required voltage is the same before switching on the power.

Alarm Codes

MESSAGE	CAUSE
LL	Probing temperature exceeds the minimum temperature
HH	Probing temperature exceeds the maximum temperature
EE	Sensor is short or open circuit

Warnings

- Do not open the instrument.
- Disconnect all electrical connections before any kind of maintenance.
- Ensure the wires for probes and the power supply are separated and far enough from each other, with no crossing and coiling.

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Sample Technical Drawings

