

Features & Options

- Slows/Buffers Temperature Changes in Coolers & Freezers (Caused by Opening and Closing of Cooler/Freezer Door)
- Fluid-Filled Chamber to Mimic Core Temperatures
- Easy Wall Mount or Wire Shelf Hanger
- Decreases False High Limit Alarms
- Available in Stainless Steel or Aluminum

The BAPI Thermobuffer Temperature Sensor is used to simulate more closely the refrigerator contents rather than the refrigerator air temperature. The fluid-filled chamber allows for slower reaction to abrupt temperature changes, vet still maintains long-term accuracy if the change remains permanent. It eliminates the temperature spikes due to frequent refrigerator or freezer door opening and decreases false alarms.

The Thermobuffer comes in three buffer sizes 1", 2" and 4" and is designed to save valuable shelf space by mounting to the wall or by hanger in a refrigerator or freezer. The buffer chamber is machined in 304 Stainless Steel or aluminum and accommodates a variety of temperature sensors or transmitters to interface with all BAS systems.

Blü-Test Bluetooth Wireless Temp & Humidity Probe

Commissioning just got easier with BAPI's Bluetooth temp and humidity probe. No need to carry an extra meter because the Blü-Test communicates to your Bluetooth-enabled Smart Phone or Tablet.



For more info, see the Accessories section.

*All Passive Thermistors $20K\Omega$ and smaller are CE compliant.



Chest Freezer (BAPI-Box 2 with 2" Probe) BA/#-TB-M304-2-BB2

Specifications

Sensor: Thermistor, RTD or Transmitter

Probe: Stainless steel

Wire: 22 awg stranded, 2 or 3 wires

Insulation:

Etched Teflon. PVC or FEP Jacketed

Buffer Chamber Construction:

M304..... Bar stock 304 Stainless Steel

MALBar stock Aluminum

Chamber Fluid: Customer supplied

Glycol mix..... Food grade required 1" Chamber...... ~7 ml of fluid 2" Chamber...... ~24 ml of fluid 4" Chamber...... ~32 ml of fluid

Note: Unit requires food grade glycol antifreeze for proper operation.

Enclosure Rating:

BB.....BAPI-Box, NEMA 4, IP66 BB2.....BAPI-Box 2, NEMA 4, IP66 HB..... Open Hanging Bracket

Enclosure Material:

BB & BB2.... Polycarb., UV rated, UL94 V-0

HB..... SS bracket w/steel clip

Environmental Operating Range:

Temp. Sensor...... -40 to 185°F (-40 to 85°C) Temp. Transmitter....-4 to 158°F (-20 to 70°C) Humidity 0-100%RH, Condensing

Encl. Dimensions: HxWxD

5 x 4.1 x 2.5" (127 x 104 x 63.5mm) BAPI-Box (BB) BAPI-Box 2 (BB2) 4.9 x 2.8 x 2.35" (125 x 71.6 x 60mm) (For enclosure dimension drawings, turn to the end of the section.)

Agency: *CE (\leq 20k Ω thermistor's), UL94V-0, RoHS

For detailed specifications on the Sensors & Transmitters, see the "Sensors" section.



Rev. 06/06/13

# 1.8K		nation TI	hermobuffer Tei	mporatule	-OCHSUI				
## 1.8K	Sensor T	ype (Required)	Use the designa	ator numb	er (show	n to the lef	t in bold) to	o indicate the sensor or transmitter	
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Call BAPI if you have questions about the above ordering grid or the configuration of the product you are ordering.

^{&#}x27;If you're using a Temperature Transmitter and the "-NB" option and you would like an enclosure for the transmitter, you must order a BAPI-Box or BAPI-Box 2 enclosure separately. See the Accessories section to order the BB or BB2 enclosure.



^{*}MATCHED Transmitter use Class A RTD's & are matched at 25%, 50% & 75% of calibrated scale limited to within -25°C to 150°C.

^{**}Range is limited to -40 to 185°F (-40 to 85°C)

^{***}TS option is not available with the 592-10K Semiconductor sensor or the T10K transmitters.