



## Features & Options

- NSF certified<sup>1</sup> with food and dishwasher safe materials
- User adjustable settings to maximize battery life while ensuring the BMS gets the info it needs
- Transmits to a receiver and output modules with multiple integration methods into the BMS

BAPI's Wireless Food Probe measures the temperature and transmits the data via Bluetooth Low Energy to a receiver and output modules with multiple integration methods into the BMS. The food probes eliminate the need for an employee to hand record the temperatures with a thermometer for HACCP compliance. Bin clips are available to fit most food bins. The probe is designed for dishwasher or hand washing.

Because the probes are designed for wet, dusty or dirty environments, there are many additional applications including cooling towers, steam humidifiers or dusty/wet conveyor systems.



Wireless Food Probe with and without optional bin clip

Probe with optional bin clip inside a bin

## Specifications

**Power:** One included Lithium 1/2AA Battery, 3.6V

**Temperature Sensor Accuracy:**  
(Calibrated using a NIST traceable reference)  
±0.7°F (0.4°C) from 32 to 158°F (0 to 70°C)  
±1.8°F (1.0°C) from 158 to 212°F (70 to 100°C)

**Temperature Range:** -4 to 221°F (-20 to 105°C)

**Transmission Distance:** Varies by application<sup>2</sup>

**Environmental Operation Range:**  
Probe Only: -4 to 230°F (-20 to 110°C)  
Entire Unit: -40 to 185°F (-40 to 85°C)  
Washing Spike Temp: 212°F (100°C)  
Humidity: 0 to 100% RH Condensing

**User Adjustable Settings:**  
Delta T (Temp): 0.1°F/C to 5.0°F/C  
Transmit Interval: 30 sec to 12 hour<sup>4</sup>  
Transmit Interval: 1 min to 30 min  
Sample Interval: 30 sec to 5 min

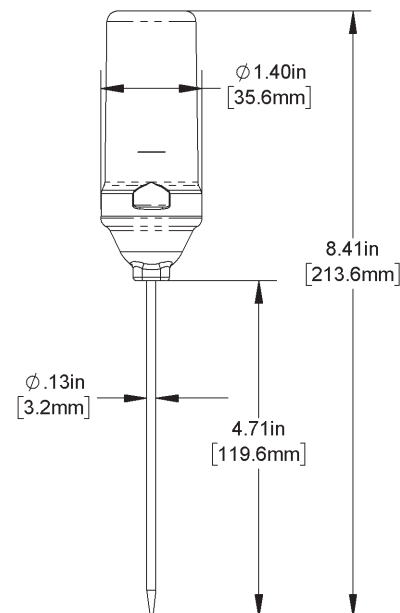
**Enclosure Material:** Food Safe Plastic

**Frequency:** 2.4 GHz (Bluetooth Low Energy)

**Receiver Sensitivity:** -97 dBm

**Probe Material:** 304 SS, 1/8" (3.2mm) diameter

**Agency:** RoHS | NSF Certified<sup>1</sup> |  
Contains FCC ID: QOQGM210P / IC: 5123A-GM210P



<sup>1</sup>NSF certification applies to the Wireless Food Probe only.

<sup>2</sup>In-building range is dependent on obstructions such as furniture and walls and the density of those materials. In wide open spaces, the distance may be greater; in dense spaces, the distance may be less.

<sup>3</sup>Actual battery life is dependent on the sensor's adjustable settings and environmental conditions.

Food Probe Calculated Battery Life <sup>3</sup>		
Transmit Interval	Sample Rate	Estimated Life (years)
30 sec	30 sec	0.25
1 min	1 min	0.42
3 min	1 min	0.55
5 min	5 min	1.45
10 min	5 min	1.96



# Wireless Food Temperature Probe

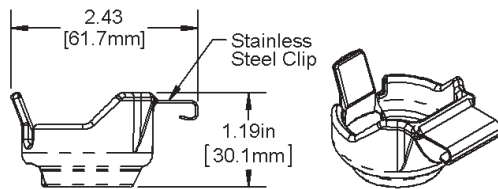
# F25

## Wireless System

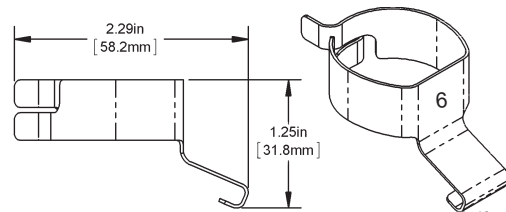
Submittal sheets without List Prices are available on our website at [www.bapihvac.com](http://www.bapihvac.com)

### Ordering Information

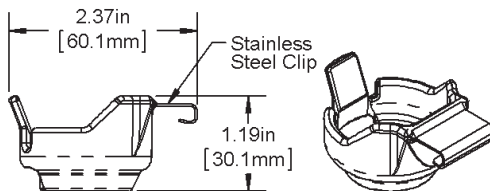
<u>PART NUMBER</u>	<u>List Price</u>
<b>BA/WFP-BLE-PT</b> .. Wireless Food Temperature Probe .....	\$300
<b>BA/BAT-5AA-HIT</b> .. Lithium ½AA Battery, 3.6V, for the Wireless Food Probe .....	\$6 (net price)
<b>BA/FP-CLP4</b> ..... Fixed Depth Clip for Stainless Steel Square Food Bins (Black Plastic) .....	\$15
<b>BA/FP-CLP5</b> ..... Fixed Depth Clip for Plastic Square Food Bins (Amber Plastic) .....	\$15
<b>BA/FP-CLP6</b> ..... Adjustable Depth Clip for Plastic Square Bins (“6” stamp on flat).....	\$25
<b>BA/FP-CLP7</b> ..... Adjustable Clip for Stainless Steel Square Bins (“7” stamp on flat) .....	\$25
<b>BA/FP-CLP-KIT</b> ... Clip Kit (includes 1 each of BA/FP-CLP4, BA/FP-CLP5, BA/FP-CLP6, BA/FP-CLP7)...	\$75



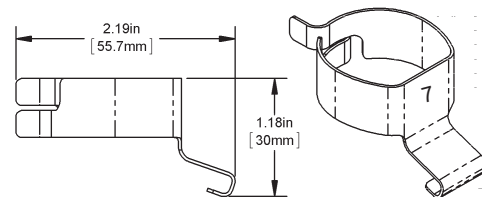
**Fixed Depth Clip for Most Plastic Square Bins (Amber Plastic)**



**Adjustable Depth Bin Clip for Most Plastic Square Bins (“6” stamp on flat)**



**Fixed Depth Clip for Most Stainless Steel Square Bins (Black Plastic)**



**Adjustable Depth Bin Clip for Most SS Square Bins (“7” stamp on flat)**



### Associated Receiver and Output Modules

- **RECEIVER** - Collects the data from up to 28 wireless sensors and transfers the data to the Analog Output Modules.
- **OUTPUT MODULES** - Convert the data for integration into the management level BACnet IP network, the BACnet MS/TP or Modbus RTU field level network or the analog inputs of a controller.

