



Wireless Sensors

Rev. 01/12/11

Features & Options

- Wireless Food Probe Monitoring & Reporting
- Fulfills HACCP Documentation Requirements
- Alarms For Out Of Tolerance Food Conditions
- Optional Door Monitoring and Freezer Temp. Monitoring
- Historical Viewing and Reporting
- Selectable Modes
- Selectable Alerts



The Touchscreen System showing several food probes in operation.

The Wireless Food Probe Monitoring System includes a receiver and a touchscreen display computer with all the software needed to format, display and export the data from BAPI's Wireless Food Probes. To maintain food safety and comply with government regulations, each food type must be regularly monitored to ensure safe temperatures. The Food Probe Monitoring System allows food-service personnel to select the specific data and the time intervals at which to report it.

The Food Probe information is displayed and alerts are triggered when temperatures fall outside food safety limits (High or Low). A combination of audible alarms, e-mails or text messages can be programmed to alert food service personnel and supervisors of alarm status. The Wireless Food Probe System generates time-stamped reports designed to comply with HACCP documentation requirements. These reports can be viewed on screen, printed or exported to Excel.

Application

The Food Probe Monitoring System formats and reports data collected from NSF-approved BAPI Wireless Food Probes. Each temperature is documented at the customer's preset safety intervals and can be set with high or low safety limits allowing for quick corrective action. Report retrieval can be done at the manager's convenience for HACCP compliance. A wider array of applications, graphic displays and energy saving strategies can be achieved by interfacing the system with a Building Automation System (BAS). Other BAPI wireless solutions can be implemented to ensure occupant comfort, identify patron movement and monitor unoccupied areas.

Ordering Information

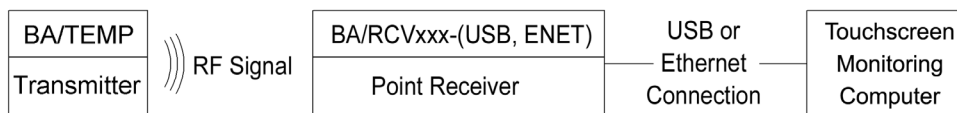
PART NUMBERS:

BA/FMS1-20T-900U-X-X-X-X

Wireless Food Probe Monitoring System, Operating at 900 MHz, with USB Receiver and Repeater

See end of Section H for list pricing.

Wireless System Block Diagrams



The Wireless Transmitter sends the RF Signal to the Receiver which then sends the data, using a standard Ethernet or USB connection, to a touchscreen computer.

Related Products

PART NUMBERS:

BA/WFP-(S,B)..... Wireless Food probe (Straight or Bent), typically 1 per food type.

BA/RPT-EA-EZ Wireless Repeater



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Specifications

HARDWARE/SOFTWARE

Loading Media: Factory Loaded, Compact Disk (CD) as a backup

Minimum Memory Requirements:

- Memory/read 100 Bytes
- Hard drive 160 GB
- RAM 2GB

System Requirements:

- Computer Touchscreen PC Computer
- Operating system Windows 7
- Software BA/FPS-101 (Free w/ receiver)
- Loading CD drive (Factory preloaded)
- Receiver One wireless receiver included (BA/RCV900-USB)
- I/O Ports: 4 USB Minimum
 - 1 - Keyboard (Included)
 - 1 - Mouse (Included)
 - 1 - Wireless Receiver (Included)
 - 1 - Printer (Customer provided)

Updates: All updates are downloaded from our website

Support: Telephone, US based in Wisconsin

Report Command Selection:

- Date Start & Stop
- Time Start & Stop
- Point Select Select points or All

Database Maintenance Command Selection:

- Copy Database Copy to backup
- Purge Database Delete data
- Date Start & Stop

FOOD TEMPERATURE DISPLAY

Display reading: 48 Food probes can be displayed

Service Mode: Selectable (Normal, Dishwasher, Out of service)

- Normal Green Active; normal indication w/ temperature
- Dishwasher Yellow; Unit in the dishwasher w/ temperature
- Out of Service Gray Inactive; Unit in storage, No temperature

Alarm Screen: Red; Alarm indication w/temperature

Temperature: Selectable (Fahrenheit, Celsius)

Alarm: Selectable in degrees (High or Low)

Alerts: Computer Sound selection
Email to one or many
Text message (Carrier dependant)

Interval Reading: Selectable from 1-min to 24-hours

Food Probes: 255 Maximum

TABULAR REPORT INFORMATION

Payload Serial #: 8 or 16 digit from each sensor

Sensor ID: Two digit sensor type ID

Location: 20 digit selectable description

Payload Sensor: Sensor information up to 4 parameters per sensor (sensor dependent)

- Reading-1 Sensor data 1
- Reading-2 Sensor data 2
- Reading-3 Sensor data 3
- Reading-4 Sensor data 4

Units 1: Sensor eng. units (ID dependent for Reading - 1)

Units 2: Sensor eng. units (ID dependent for Reading - 2)

Date/Time: YYYY-MM-DD, 24:59:59 (24 hour only)

Data Packet: 28 digit