

TEST INSTRUMENTS

BAPI
Blü-Test
TEST INSTRUMENT SUITE



Blü-Test is a suite of NIST-traceable test instruments with onboard data logging and Bluetooth communication with Android or iOS smart devices. The suite includes multiple probes for temperature, relative humidity and differential air pressure. The Blü-Test app is available from Google Play™ or the App Store® and features logging, trending and easy sharing of files.

- Each probe stores up to a million readings in its onboard memory
- 2 to 10 times more accurate than standard HVAC test instruments
- Local display for immediate readings without accessing the app
- Free NIST-traceable certificate with each probe



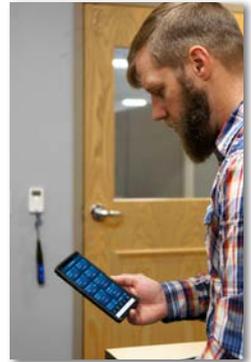
FEATURES OF THE BLÜ-TEST APP

The Blü-Test app allows for easy logging, trending and emailing of data. No pairing process is required as the app detects any Blü-Test probe within range. Logged data is stored on the probe and then downloaded to the app at your convenience. Sites and locations can also be uploaded to the app so assigning readings to locations is just a few screen taps - that means no more clipboards and hand-recording!



EASY NAVIGATION

The home screen provides easy navigation to everything in the app so it's simple to find what you need.



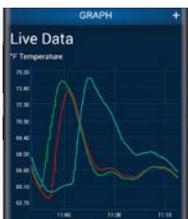
VIEW LIVE ON DASHBOARD

Just turn on a probe to see live data on the dashboard. No pairing process required. The Dashboard shows data from all probes within range.



DOWNLOAD, VIEW & SHARE

Select the logs to download from the probe to your device. Then trend or share the logs from the app.



GRAPH & TREND

Add up to 6 probes on the graph to view the live or historical trends. Save live data as a log file from any probe with the push of a button.



TEMPERATURE HUMIDITY



BAPI makes a complete line of high quality temperature and humidity sensors for nearly every application, including room, duct, averaging, immersion, remote and outside air. The sensors feature a wide array of custom outputs so they are compatible with nearly all BAS controllers.

ROOM TEMPERATURE OR HUMIDITY BAPI-STAT "QUANTUM" SERIES

- Modern, low profile enclosure style
- Pushbutton or slider setpoint adjustment
- Large display with multiple indicators
- Optional fan speed and mode controls



BAPI-Stat
"Quantum Prime"

BAPI-Stat
"Quantum"



BAPI-Box
Crossover
Enclosure

DUCT TEMPERATURE OR HUMIDITY

- Multiple enclosure styles
- Temperature, humidity only or temperature/humidity combination
- Wide selection of sensing elements

IMMERSION TEMPERATURE

- 2", 4" & 8" stainless steel probe lengths
- Multiple enclosure styles
- Machined stainless steel or brass thermowells in matching lengths



Thermowell

BAPI-Box Crossover Enclosure



BAPI-Box Crossover Enclosure

AVERAGING TEMPERATURE

- 8', 12' & 24' probe lengths
- Multiple enclosure styles
- Measures temperature along the entire length



PRESSURE



BAPI pressure sensors are a technician's go-to favorite. They feature multiple field-selectable pressure ranges and outputs that can be set with or without power. The units are designed for mounting at the location or in the control panel with accompanying pressure pickup ports for room, wall, ceiling and outside air.

ZPM in a
BAPI-Box



ZPM IN A BAPI-BOX – IP66-RATED

- 10 pressure ranges and 5 output options
- Standard, low or high range models
- Non-flow through sensor prevents cross contamination of air
- “Line of sight troubleshooting” with display and LEDs

ZPM PRESSURE – IP44-RATED

- 10 pressure ranges and 5 output options
- Standard, low or high range models
- Non-flow-through sensor prevents cross contamination of air
- “Line of sight troubleshooting” with display and LEDs



ZPM
Pressure

EZ
Pressure



EZ PRESSURE

- 10 pressure ranges and 3 output options
- Standard and low range models
- DIN rail, snaptrack or surface mounting
- Non-flow-through sensor prevents cross contamination of air

PRESSURE PICKUP PORTS

- Ports for room, wall, ceiling and outside air
- Includes 80 micron sintered SS filter to prevent insects or debris from entering or plugging the tubing



AIR QUALITY



True air quality is achieved in a variety of ways, and that's why BAPI makes a full line of air quality sensors for all areas of your facility, including Volatile Organic Compound (VOC), Total Volatile Organic Compound (TVOC), Particulate Matter (PM), Carbon Dioxide (CO₂), Carbon Monoxide (CO) and Nitrogen Dioxide (NO₂). These sensors feature a wide array of custom outputs that are compatible with most lines of BAS controllers.



BAPI-Box
Duct



BAPI-Stat
"Quantum Prime"

VOC - ROOM, DUCT & ROUGH SERVICE

- VOC alone on room units or with optional temperature, humidity, setpoint and override
- Achieves true indoor air quality, not just CO₂ dilution
- CO₂ equivalent output or total VOC output
- Line of sight IAQ status with display and LEDs



BAPI-Box
Duct



BAPI-Stat "Quantum Prime"

CO₂ - ROOM, DUCT & ROUGH SERVICE

- CO₂ alone on room units or with optional temperature, humidity, setpoint and override
- Automatic Barometric pressure compensation for accurate readings regardless of weather or altitude
- Models for periodically or continuously occupied areas



BAPI-Box
Rough
Service



BAPI-Box
Duct

CO & NO₂ - DUCT & ROUGH SERVICE

- Field replaceable sensor with self-test
- Alarm relay output
- Field selectable ranges, outputs and trip levels
- Certificate of calibration
- BACnet output units available



BAPI-Stat
"Quantum"

BAPI-Box
Duct

PARTICULATE MATTER - ROOM OR DUCT

- Field selectable particulate size and output (PM 2.5 and PM 10)
- Measures effectiveness of filtration system
- Laser-based, light scattering particle sensing with 10 year expected lifetime



WIRELESS TO ANALOG



The Wireless to Analog receiver receives a wireless signal and converts to an analog output that connects directly to your BMS system. Currently we have an array of temperature and humidity sensors that are compatible for connection with this wireless application including, BAPI-Stat "Quantum", BAPI-Stat "Quantum Slim", Duct , Immersion and Outside Air sensors.

Analog Receiver



WIRELESS ANALOG RECEIVER

- Receiver output is converted to an analog voltage or resistance by the associated Analog Output Modules
- Supports up to 32 sensors and 127 Analog Output Modules
- User adjustable settings
- Surface, snaptrack or DIN rail mountable

ANALOG OUTPUT MODULES

- Resistance, Setpoint and Voltage, Output Module
- Surface, snaptrack or DIN rail mountable
- Connect 127 Analog Output Modules to a receiver
- Pluggable Terminal Blocks available for purchase



Room



Duct Temp/
Humidity

WIRELESS ROOM & DUCT SENSORS

- Optional temperature setpoint and occupant override
- User adjustable settings
- Onboard memory
- Transmits to a digital Gateway or a wireless-to-analog receiver

WIRELESS IMMERSION/REMOTE

- User adjustable settings
- Onboard memory
- Transmits to a digital Gateway or a wireless-to-analog receiver

Remote



Immersion



WIRELESS TO GATEWAY



Monitor your assets in real-time and protect your business against costly losses from power loss or equipment failure. BAPI's Wireless System raises the industry bar for flexibility and reliability. The transmission power and transmission rate of each sensor is customizable for optimum battery life and reliability at each location. The Gateway is paired with our subscription based WAM (Wireless Asset Management) system where you can access all your data.



WIRELESS GATEWAY

- Provides data via MQTT to the cloud
- Each gateway supports up to 32 sensors that can be configured remotely via the gateway and BAPI's WAM user interface
- Communicates with sensors up to 30 meters away

WAM- WIRELESS ASSET MANAGEMENT

- Subscription based wireless service
- Add sensors, set up user accounts, set parameters and alert notifications
- All your sensor data in one manageable place



Room



Duct Temp/
Humidity

WIRELESS ROOM & DUCT SENSORS

- Optional temperature setpoint and occupant override
- User adjustable settings
- Onboard memory
- Transmits to a digital Gateway or a wireless -to-analog receiver

WIRELESS FOOD TEMPERATURE PROBE

- NSF certified with food and dishwasher safe materials
- User adjustable settings with onboard memory
- Designed for wet, dusty or dirty environments in addition to food



ACCESSORIES SPECIALTY SENSORS



BAPI makes a wide variety of accessories for the HVAC/R industry, including power supplies, voltage converters, thermostat guards, door monitor alarms, light level sensors and water leak detectors. All units are designed to make installation easier or to solve common industry challenges and shortcomings.



DOOR MONITOR ALARM



DMAs in 3 status states

- For use with Normally Closed (NC) door switches
- Door status LEDs
- Two auxiliary relays with status LEDs
- Audible annunciator
- User selectable time periods

WATER LEAK DETECTOR

- Detection within 5 seconds with local LED alarm indication
- Two 5 amp relays @ 30VAC/DC with automatic or manual reset
- Spot, remote or rope sensor that detects water along its entire length



BAPI-Guard

BAPI-GUARD

- Prevents tampering, damage and unauthorized adjustment
- Exceptional airflow for proper thermostat operation
- Low profile design with two sizes to fit most thermostats and sensors

VC350A-EZ VOLTAGE CONVERTER

- Compact and cost-effective 350mA unit
- Self-resetting thermal fuse, plus operation and fault LED indicators
- Output protected against overload and accidental shorting
- DIN rail, snaptrack or surface mounting



VC350A-EZ



✓ **RoHS**
compliant

CE
UK
CA



SCAN ME!
Download our Catalog

...it's in the details

BAPI[®]
Sensors for HVAC/R

Building Automation Products, Inc.
phone +1-608-735-4800
email sales@bapihvac.com
website www.bapihvac.com

REV.23.1.2