PRODUCT OVERVIEW

BAPI®

Sensors for HVAC/R

TEST INSTRUMENTS   TEMPERATURE   HUMIDITY   PRESSURE   AIR QUALITY   ACCESSORIES

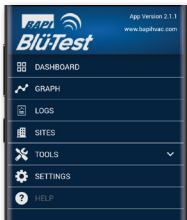*Changing the way you think about sensors...*

TEST INSTRUMENTS

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
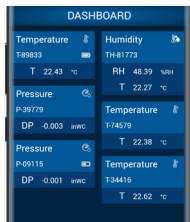- Free NIST-traceable certificate with each probe

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!
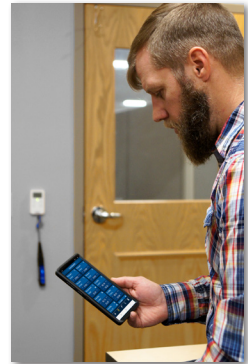
EASY NAVIGATION

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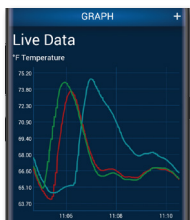
VIEW LIVE ON DASHBOARD

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
- Optional 60mm base

BAPI-Stat
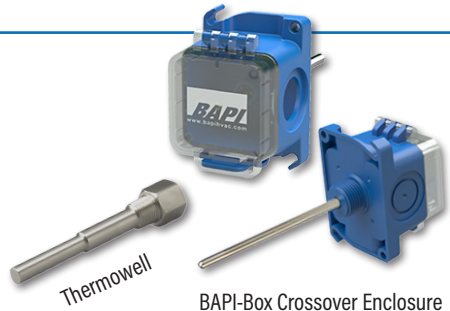"Quantum Prime"

BAPI-Stat
"Quantum"

DUCT TEMPERATURE OR HUMIDITY

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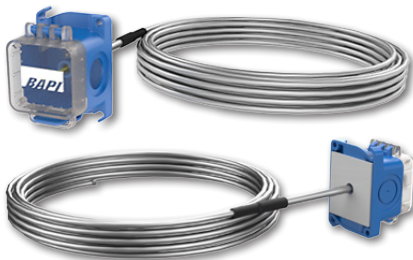- Wide selection of sensing elements

BAPI-Box
Crossover
Enclosure

IMMERSION TEMPERATURE

- 50mm, 100mm & 200mm stainless steel probe lengths
- Multiple enclosure styles
- Machined stainless steel or brass thermowells in matching lengths

Thermowell

BAPI-Box Crossover Enclosure

AVERAGING TEMPERATURE

- 2.4m, 3.7m & 7.3m probe lengths
- Multiple enclosure styles
- Measures temperature along the entire length

BAPI-Box Crossover Enclosure

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, duct 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
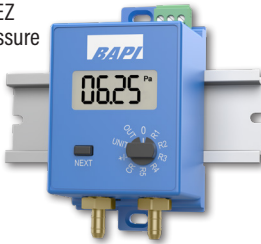- "Line of sight troubleshooting" with display and LEDs

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

Button Wall Room

Ceiling Outside Air

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 (CO_2), Carbon Monoxide (CO) and Nitrogen Dioxide (NO_2). These sensors feature a wide array of custom outputs that are compatible with most lines of BAS controllers.

VOC – ROOM, DUCT & HARSH ENVIRONMENT

- VOC alone on room units or with optional temperature, humidity, setpoint and override
- Achieves true indoor air quality, not just CO_2 dilution
- CO_2 equivalent output or total VOC output
- Line of sight IAQ status with display and LEDs

BAPI-Box
Duct

BAPI-Stat
"Quantum Prime"

CO_2 – ROOM, DUCT & HARSH ENVIRONMENT

- CO_2 alone on room units or with optional temperature, humidity, setpoint and override
- Automatic Barometric pressure compensation for accurate readings regardless of weather or altitude
- Works in periodically or continuously occupied areas

BAPI-Box
Duct

BAPI-Stat "Quantum Prime"

CO & NO_2 – DUCT & HARSH ENVIRONMENT

BAPI-Box
Harsh
Environment

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

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

BAPI-Stat
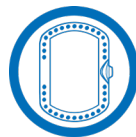"Quantum"

BAPI-Box
Duct

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.
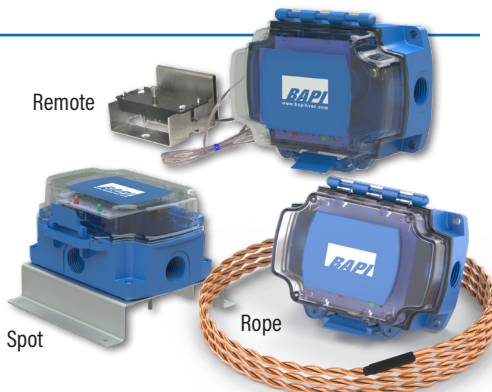
DOOR MONITOR ALARM

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

Remote

Spot

Rope

BAPI-GUARD

BAPI-Guard

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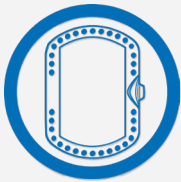- Low profile design with two sizes to fit most thermostats and sensors

VC350A-EZ VOLTAGE CONVERTER

- Compact and cost-effective 350mA VDC 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

BAPI ®

Sensors for HVAC/R

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...it's in the details