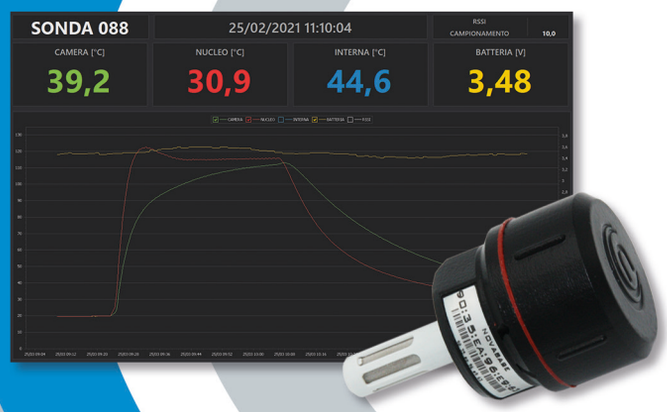
BTW-AMB

Industrial automation
TWIBL HT series



WIRELESS AMBIENT MONITORING

BTW-AMB wireless ambient monitoring allows real time calculation and consultation of numerous different ambient variables.

The system is made of two components:

- Wireless sensors
- Data recorder

Wireless sensors

Our sensors can monitor:

- Temperature, from -25°C to +125°C, with an accuracy of +-0.2°C;
- Humidity from 0% to 80% RH, with an accuracy of +-3%.

Optional sensors that can be required are:

- UV light from 0 to 20;
- Ambient light;
- CO2 sensor, from 400ppm to 8192ppm;
- Movement, gyroscope, accelerometer;
- Hall effect (to monitor end stops or magnetic fields until 200mT).

The installation of the probe does not require electrical or construction work, or an existing wireless network.

Data is transmitted wirelessly, thanks to a Bluetooth 5.0 LTE network, created by the BTW sensors themselves. A common 220V power supply is all that is needed for the installation.

Data recorder

The data recorder is an industrial PC, with high level performance and reliability. It comes with a software for data recording/SCADA, that records every value measured by the BTW probes in a relational database, ready for consultation.

BTW-SCADA manages:

- Warning sent via email or sms in case of out-of-range values
- Recording and real-time data visualization
- Possibility of data monitoring from different work stations, with separate departments
- Multiuser management with various access to data
- Data export in cvs or excel format
- Daily email with a report of the measurements in pdf format
- Data export in m2m format, for the integration with other software.

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RENTAL

Novabase also offers the opportunity to rent BTW probes for an annual fee, that includes:

- 1 Btw probe;
- One annual temperature calibration;
- Remote support via email and phone;
- Maintenance and sensor substitution in case of damage;
- Software update, also in case of updates of the company's pcs;
- Remote functionality check of the recording and alarms system.

The annual fee does not include the initial activation cost, which covers the data recorder, the installation and the training on how to use the system.

EXAMPLES OF APPLICATION

Hospital structures:

- Patient rooms
- Operating rooms
- Storage rooms
- Medical refrigerators
- Offices
- Data center rooms
- Technical rooms
- Analysis laboratories
- Rehabilitation rooms
- Doctors' offices

Food industry plants:

- Storage rooms
- Cold rooms
- Seasoning rooms
- Ovens
- Pasteurizers
- Analysis laboratories
- Raw materials loading areas

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