

PRESS RELEASE



Pressure resistant Humidity-Temperature Module with I²C-Interface



The new digital B+B humidity and temperature module DHYT BB939-01 with I²C communication interface has been developed to optimally fit in process monitoring and automation applications. Amongst others it applies perfectly in autoclaves and dryer systems.

The Humidity-Temperature module is pressure proof up to 16 bars and is dew resistant. The sophisticated precise and temperature compensated calibration process guarantees a tolerance down to $\pm 1,8$ % RH. Up to 112 modules can be addressed on the I²C bus (7 bit address). Integrated in a robust armature, the modules are easily exchangeable. They are chemically resistant and present no outgassing. The DHYT is based on a high quality microsystem and a capacitive polymer sensor element. The TO39 housing is equipped with a stainless steel filter. It fits in applications from medical devices to drying systems

Thanks to the integration of the sensor module in customer specific housing, a rapid and easy exchange in case of disturbance is guaranteed.

Features

- Pressure resistant up to 16 bars
- Precise calibration
- Dew resistant
- Temperature compensated
- I²C Interface
- Small hysteresis
- Easy exchangeability

Applications

- Machine and plant engineering
- Environment engineering
- Medical devices engineering
- Dryer systems

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