

TETRACON (PVT.) LTD. — Product Datasheet

DABECO Co. Ltd. | Model DB506-97

Wall-mounted Embedded Humidity and Temperature Sensor with LCD Display for Cabinet

Embedded panel/cabinet RH+T sensor with large LCD, Modbus RS485, up to 32-device bus cascading and 1200 m transmission for multipoint monitoring.

Overview

Embedded panel/cabinet RH+T sensor with large LCD, Modbus RS485, up to 32-device bus cascading and 1200 m transmission for multipoint monitoring.

Operating Principle

A capacitive/digital humidity sensing element with temperature compensation measures process or ambient RH and temperature; the DB506-97 transmitter conditions the signals to industry-standard analog and/or RS485 Modbus outputs for HVAC, building automation, chambers, or process monitoring.

Key Features

- Humidity 0–100 %RH
- Temperature -20...80 °C
- Accuracy ± 3.0 %RH / ± 0.4 °C
- Modbus RS485
- Embedded installation
- Programmable address 1–255
- Bus cascade up to 32 devices

Benefits

- Fills Tetracon DABECO HVAC / indoor / chamber humidity portfolio gaps
- RS485 Modbus and/or analog outputs for direct BMS and PLC integration
- Local supply and support from Tetracon in Pakistan

Typical Applications

HVAC & Building Automation, Climate Chambers, Data Centers, Warehouses, Process Humidity, CEMS / Flue Gas (where applicable)

Technical Specifications

Model: DB506-97

Brand: DABECO Co., Ltd.

Category: humidity-pressure

Humidity 0–100 %RH

Temperature -20...80 °C

Accuracy ± 3.0 %RH / ± 0.4 °C

Modbus RS485

Programmable address 1–255