

## TETRACON (PVT.) LTD. — Product Datasheet

DABECO Co. Ltd. | Model DB510-F1T

# Duct Humidity and Temperature Transmitter for HVAC and Climate Chamber

*Sturdy duct-mount RH/T sensor for HVAC and climate chambers; dew point can be calculated.*

### Overview

Sturdy duct-mount RH/T sensor for HVAC and climate chambers; dew point can be calculated. High accuracy and measurement stability.

### Operating Principle

A capacitive/digital humidity sensing element with temperature compensation measures process or ambient RH and temperature; the DB510-F1T 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 -40...+120 °C
- Accuracy  $\pm 2.0$  %RH /  $\pm 0.2$  °C
- 4–20 mA and RS485 Modbus RTU
- Optional dual-line LCD
- Stem 400 mm standard, customizable
- Calculated dew point

### 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: DB510-F1T

Brand: DABECO Co., Ltd.

Category: moisture-transmitter

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