

TETRACON (PVT.) LTD. — Product Datasheet

DABECO Co. Ltd. | Model DB452

High Temperature In-situ Flue Gas Humidity Meter DB452

In-situ high-temperature flue-gas humidity meter for CEMS (DirectIndustry catalog).

Overview

In-situ high-temperature flue-gas humidity meter for CEMS (DirectIndustry catalog). Capacitance measurement with direct insertion probe; similar class to DB450N family.

Operating Principle

A capacitive/digital humidity sensing element with temperature compensation measures process or ambient RH and temperature; the DB452 transmitter conditions the signals to industry-standard analog and/or RS485 Modbus outputs for HVAC, building automation, chambers, or process monitoring.

Key Features

- 0–40 %VOL or 0–100 %RH
- Accuracy $<\pm 1.5$ %FS
- T90 <15 s
- Analyzer $-10\dots+50$ °C; probe 0–200 °C
- Optional heating 50–150 °C
- 4–20 mA + RS485
- AC220V
- IP65 / 316L probe
- DN65 flange

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: DB452

Brand: DABECO Co., Ltd.

Category: moisture-transmitter

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