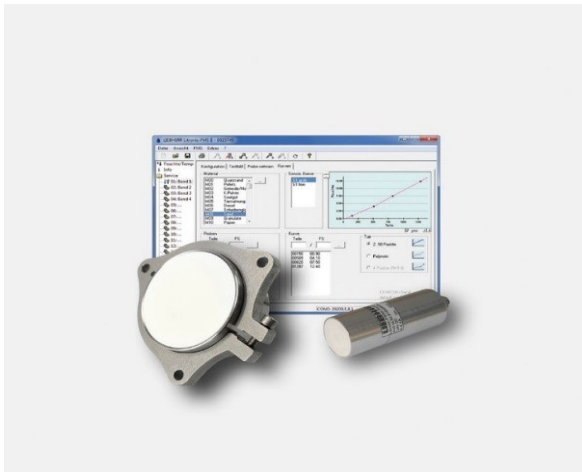


Technical data

Highlights moisture measurement system FMS II



Measurement principle sensor

Resonance method

Compensation of dielectric losses

Factory calibration for the complete temperature range – flashing of temperature curve separately for each sensor

Reproducible behaviour – replacement of sensor without new calibration

Sensitivity up to 0.05 % moisture

Signal processing sensor

Material adjustment digital, reproducible, linear, point or polynomial curves

Switchable material curves

Material temperature compensation

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Extensive signal processing capabilities (mean value calculator)

Suitable for high material flow rate as no scanning problem exist, since signal processing is included in the sensor

Interference-free digital signal transmission

Sensorbus, networking of sensors

Design sensor

Stainless steel housing: V4A 1.4404

Wear protection: zirconium oxide ceramic 2 mm (optional 10 mm for very abrasive materials)

Adjustable clamping flange

Accessories: bus connection box, display

Accessories: sliding shoe, material chute, funnel, flange for pipe installation

Special version: up to 100 °C, acid and salt resistant housing

Special version: 30 mm diameter for confined installation situations

Special version: Dust-Ex approval for zone 22 and 21 (applicable equipment category 3D and 2D)

Measurement output and parameterization

Single components on top-hat rail

PROFIBUS, 4-20 mA, 0-10 V, digital I/O

Bluetooth, RS232

Ethernet Gateway
