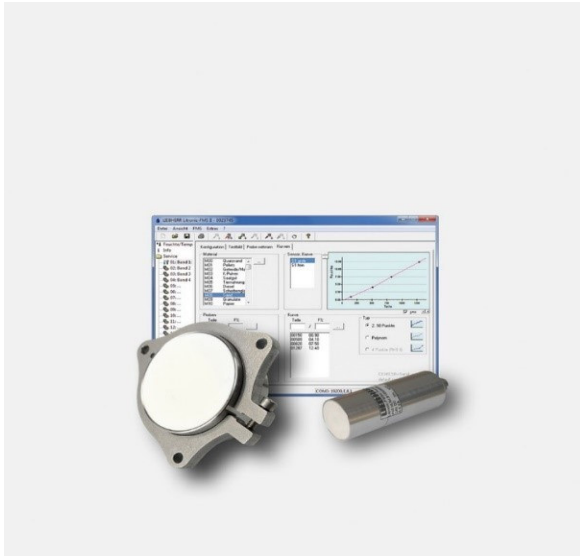


# Technical data

## Highlights Moisture Measurement System FMS II



### Measurement Principle Sensor

Resonance method

Compensation of dielectric losses

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

Reproducible sensors – replacement of sensor without new calibration

Sensitivity up to 0,005 % moisture

### Signal Processing Sensor

Digital material adjustment, reproducible, linear-, points- or polynomial curves

Change over of different material curves

Material temperature compensation

Many possibilities of digital signal processing (mean value calculator)

Suitable for high material flow rate as there is no problem with material scanning, signal processing included direct in the sensor

Fail safe digital signal processing

Sensor bus, networking of the sensors

# Technical data

## Design Sensor

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Stainless steel housing: V4A 1.4404

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

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Adjustable clamping flange

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Options: bus connection box, display

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

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Special carrying out: up to 100 °C, salt and acid consistent housing

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Special carrying out: 30 mm diameter sensor for small installation places and pipes

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Special carrying out: dust Ex-protection zone 22

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## Measurement Output and Parameterization

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Single components on top hat rail

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

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Bluetooth, Pocket PC or RS232

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Ethernet Gateway

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