

Highlights

Liebherr Moisture Measurement System

Litronic 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
Sensorbus, networking of the sensors

Design Sensor

Stainless steel housing: V4A 1.4404
Wearing protection: zirconium oxide ceramic 2mm (optional 10 mm for very abrasive materials)
Adjustable clamping flange
Options: bus connection box, display
Options: sliding shoe, material chute, funnel, flange for pipe installation
Special carrying out: up to 100° C, salt and acid consistent housing
Special carrying out: 30 mm diameter sensor for small installation places and pipes
Special carrying out: dust Ex-protection zone 22

Measurement Output and Parameterization

Single components on top hat rail
PROFIBUS, 4-20mA, 0-10V, digitale I/O
Bluetooth, Pocket PC or RS232
Ethernet Gateway