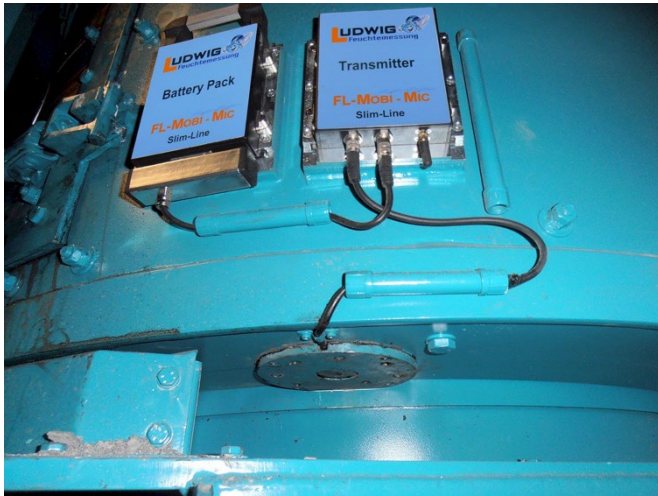


FL-MOBIMIC-SLIMLINE

Microwave Moisture Measuring System for Wireless Measured Value Transmission



Installation of Transmitting unit and exchangeable Battery Pack at a mixer drum



Sensor installation in a rotating mixer floor

APPLICATION FIELDS

Moisture measurement of bulk materials in rotating mix drums, especially in the concrete and precast industry

SPECIAL FEATURES

- Prevents material build-ups at the sensor's measuring surface
- Installation of additional cleaning equipment is unnecessary
- No additional rinse water or cleaning agent will enter the batch and cause contamination
- Reliable moisture measurement even with small or partial batches
- Reliable recording of mix temperature
- The risk of contamination due to residue from previous batches is minimized when alternating recipes
- Wear and Tear of our sensor is greatly reduced because it rotates with the mixer drum, eliminating friction and damage from passing materials or debris
- Long operating time by using of changeable, high-performance rechargeable batteries
- Reliable measuring signal transmission through industrial-grade „WIRELESS“
- Easy installation through compact dimension of probe and transmitting unit

TECHNICAL DATA (MICROWAVE MOISTURE SENSOR)

Power Supply	+3,7 V DC (+/- 10%)
Outputs (analog)	0 - 20 mA (Moisture Measuring Value) 0 - 3,2 V (Temperature)
Measuring Range of integrated temperature sensor	0...+ 80°C
Power consumption	0,08 Watt
Frequency	433,92 MHz
Temperature Working Range	0...+ 80°C
Connecting Line	Length: 500 mm with five pole miniature round connector for transmitting unit
Dimension	Ø: 75 mm / H: 24,5 mm
Weight	0,4 kg
Cover	Stainless Steel / IP 68 Sensor's measuring surface made of high wear resistant ceramic



TECHNICAL DATA (SENSOR HOLDER)

Welding Ring	Ø: 128 mm / H: 15 mm / Weight: 0,6 kg / zined
Wear Protection Tube	Ø: 106 mm / H: 22,5 mm / Weight: 0,7 kg / zined



TECHNICAL DATA (TRANSMITTER)

Cover (dimensions with holder)	H: 33,5 mm / W: 135 mm / D: 182 mm (with antenna) Plastic / IP 54
Connection Option	1 Microwave Moisture Measuring Sensor FL-MOBIMIC SlimLine
Temperature Range	0°C – 50°C
Power Supply	via Battery Pack



TECHNICAL DATA (RECEIVER)

Cover	H: 60 mm / W: 137 mm / D: 165 mm Aluminium / IP 68
Power Supply	24 V DC (+/- 10%)
Power Consumption	7 Watt
Temperature Range	0°C – 50°C
Accuracy	depending to measuring range and material (appr. +/- 0,3%)
System Connections	analog outputs (Moisture 0-20mA / Temp. 4-20mA)



TECHNICAL DATA (BATTERY PACK)

Cover (dimensions with holder)	H: 32,5 mm / W: 135 mm / D: 215 mm (with handle) Plastic / IP 54
Connecting Line	Length: 250 mm; with connector for Transmitter
Battery Life	approx. 7-day continuous operation
Voltage	+ 3,7 V
Temperature Range	0°C – 50°C

