

# M-SENS 3

ONLINE MOISTURE AND TEMPERATURE MEASUREMENT  
FOR SOLIDS



M-Sens 3 is continuously measures moisture in solid material plus offers accurate process material temperature measurement

## FEATURES AND BENEFITS

- With flow detection and process temperature measurement
- Online instant and accurate moisture measurement
- Online process/material temperature measurement
- High temperature and Ex versions
- Maintenance-free



certified to ATEX

# M-Sens 3

ONLINE MOISTURE AND TEMPERATURE MEASUREMENT FOR SOLIDS

## TECHNICAL SPECIFICATIONS

Sensor (M-Sens 3)	
Housing material	Stainless steel 1.4571
Sensor surface	Ceramic
Ex-protection (optional)	Zone 20 (Dust), Zone 0 (Gas)
Protection category	IP 67 according to EN 60529
Material ambient temperature	0 ... + 80°C, optional 120°C
Working pressure	Max. 10 bar
Power consumption	0.6 W
Responsive time	0.1 sec.
Weight	Approx. 1000 g
Measuring range	0 ... 65% residual moisture (depending on material)
Temperature measurement	0 ... +120°C ± 0,6°C (typical) betw. 0 and +120°C ± 1°C (Max.) betw. 0 and +70°C ± 2°C (Max.) betw. 0 and +120°C
Flow Detection alarm	YES
Accuracy	0.1% absolutely in the calibrated measuring range
Connection cable	Shielded cable 4-wired, 0.25 mm <sup>2</sup>

