

MOISTURE SENSING PROBE - MSP

online moisture measurements



MSP-STANDARD

The standard online Moisture Sensing Probe with screw-on cable, replaceable ceramic disc, and IP68. MSP-HT is for High Temperature (190C)



MSP-DISC

The disc-sensor version offers great surface area detection with its' large diameter and new high tech internal electronics.



MSP-INSERT

Special insertion configuration for measuring the moisture in the streaming of material (e.g. silo outlet). Continuously adjustable - even when built-in. Screw-on cable; replaceable ceramic disc; degree of protection IP68



MSP-MIXER

Extreme robust and highly stable mixer moisture sensor. Changeable wear protection. Screw-on cable; replaceable ceramic disc; degree of protection IP68

GTS, Inc.

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Facts and Information

GTS, Inc. moisture sensing probes always represent the latest technology of our well-proven HPR-Method (High Frequency Dielectric Polarisation and Field Refraction) and offer unique precision and reliability. We have led the industry for decades on real-time moisture systems.

Sensors of the newest generation are available by different replaceable wear protections:

- **Special Ceramic** (extremely abrasion resistant)
- **Wear-resistant Rubber** (abrasion resistant, impact proof)

Accuracy: 0.1% ... 0.5% depending on installation situation and correct calibration
Easy calibration of the sensor by integrated adjustment unit
Special internal digital linearization of the measuring signal
Output Signal: 0/4 - 20mA or 0 - 10 V
Power Supply: 9 - 30 VDC (optional +15 ... - 15 VDC)

Examples of applications:

- Moisture content of sand, gravel, etc in concrete production
- Reprocessing of foundry sand for desired moisture content
- Moisture content of quartz sand (e.g. for glass manufacturer)
- Quality optimizing in food processing
- Corn production
- Fodder industry for animal food
- Wood industry (wood chips, sawdust, wood shavings, & wood pellet production)
- Ceramic powders and pastes; metal oxides
- Sludge from sewage plants

Application pictures (examples)



MSP-INSERT in an empty silo



(same empty silo from the outside)



MSP-Standard on a conveyor



MSP-DISC (Gravel)



Qty 3 MSP-DISC's (sand silo)



MSP-MIXER (Bottom and Wall Mount)



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