

MMC-6000



Portable, Fast & Easy microwave moisture analyzer for Grains, Beans and Seeds

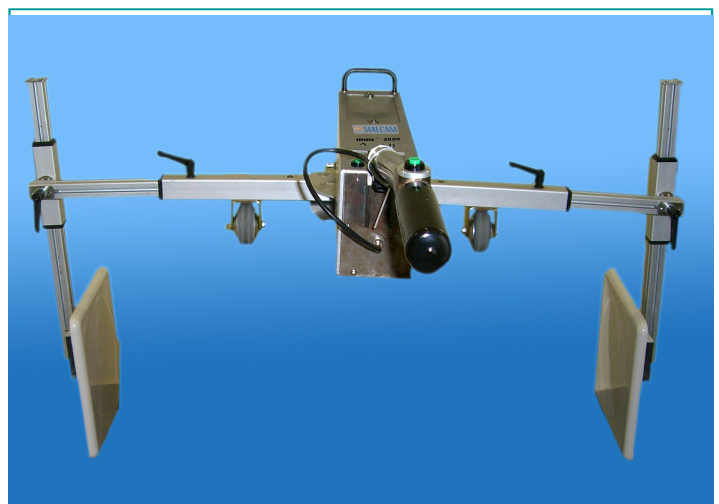
MAIN FEATURES

- High performance resolution – better than 2% of reading
- High accuracy – better than 4% of reading
- High repeatability – better than 2 sigma
- Whole volume measurement of material
- Portable, easy to carry and use
- Very low maintenance costs
- Calibration (checking) only once a year!
- Real time results
- Not sensitive to chemicals or color
- Not sensitive to ambient conditions
- Can work under extreme environmental conditions
- Automatic storage and analysis of results
- compliance with all major industry standards

Accurate detection of moisture levels inside batches of grains, beans and seeds is an essential procedure in terms of preventing mould and insect development as well as for other quality control aspects and pricing.

Malcam's **MMC-6000** allows you to detect moisture levels quickly and easily, at any location without compromising results accuracy.

Malcam's **MMC-6000** portable device measures the entire volume of grains' batches and provides highly accurate results in real time.



MAIN BENEFITS

- Increase product quality and value
- Enables timely treatment measures
- Enhanced process control
- Optimize manufacturing efficiency
- Low cost and fast ROI
- Optional connection to portable printer



Portable & Easy to Carry
MMA-6000 packed in a suitcase

By means of a transmitter and receiver, microwaves are passed through the grains batch, and multi-slices of the material are scanned. The moisture is calculated using a unique signal processing algorithm, and the actual moisture content of the grains is displayed. The size of the device and its antennas are adjusted to fit application requirements.

In this manner the **MMC™-6000** continuously measures the material under test as it is being inserted manually into the grains pile, covering almost 100% of the material that is caught between the transmitter and receiver. The online results relate to the whole moisture in the grains batch volume, enabling smart decision making regarding treatment, storage conditions and

SPECIFICATIONS

Output Signals	0-10 VDC, 4-20 mA current signal; RS-232; moisture display (via DDU) and measuring indicator; alert signal (optional).
Input Signals	4-20 mA current signal; temperature sensor input - built in.
Scanning Speed	Less than 1msec per macro slice.
Operating Temperature	-5 °C to +50 °C .
Humidity	20-80%, non-condensing.
MCP-Tool s/w	Malcam's Loading Calibration and other parameters software tool via RS-232 , running under any Win2000 or XP windows PC



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ABOUT MALCAM

MALCAM Ltd. is an ISO-9001 company that specializes in online and offline moisture and density deviation measurements systems and advanced software tools for industries that automatically process bulk and packaged material.

Established in 1994, the company holds several international patents and its systems are operational in hundreds of sites worldwide.