

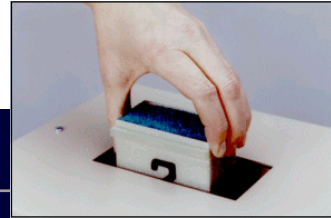
# Model MCPC

## Moisture Computer for Laboratory Measurements

- ▶ Measures Food, Chemicals, Aggregates, Etc.
- ▶ Laboratory testing and calibration at no charge
- ▶ Certified for Almonds by the State of California
- ▶ Simple Two Point Calibration: using a pre-programmed standard curve, gain and offset are automatically calculated and stored when two samples of known moisture content are tested, OR
- ▶ Multiple Point Calibration: up to 7 known moisture content samples are tested to achieve a break point calibration curve over a wide range.

The MODEL MCPC Moisture Computer uses the principle of weight corrected capacitance measured at radio frequencies to determine a physical property that can be related to moisture content. This technique is useful in measuring moisture because radio frequency completely penetrates non-conductive materials and therefore can gauge moisture throughout the particle. The test is completely non-destructive and no sample heating occurs.

A true PC compatible, the menu driven Moisture Computer Software provides fast and accurate moisture measurement. Programmed "Help" information is available at all times. Test data can now be stored on disk or internal drives. Stored data can be analyzed using common spread sheet programs to generate statistical information and custom reports. The MCPC allows for storage of up to 99 calibrations for different products.

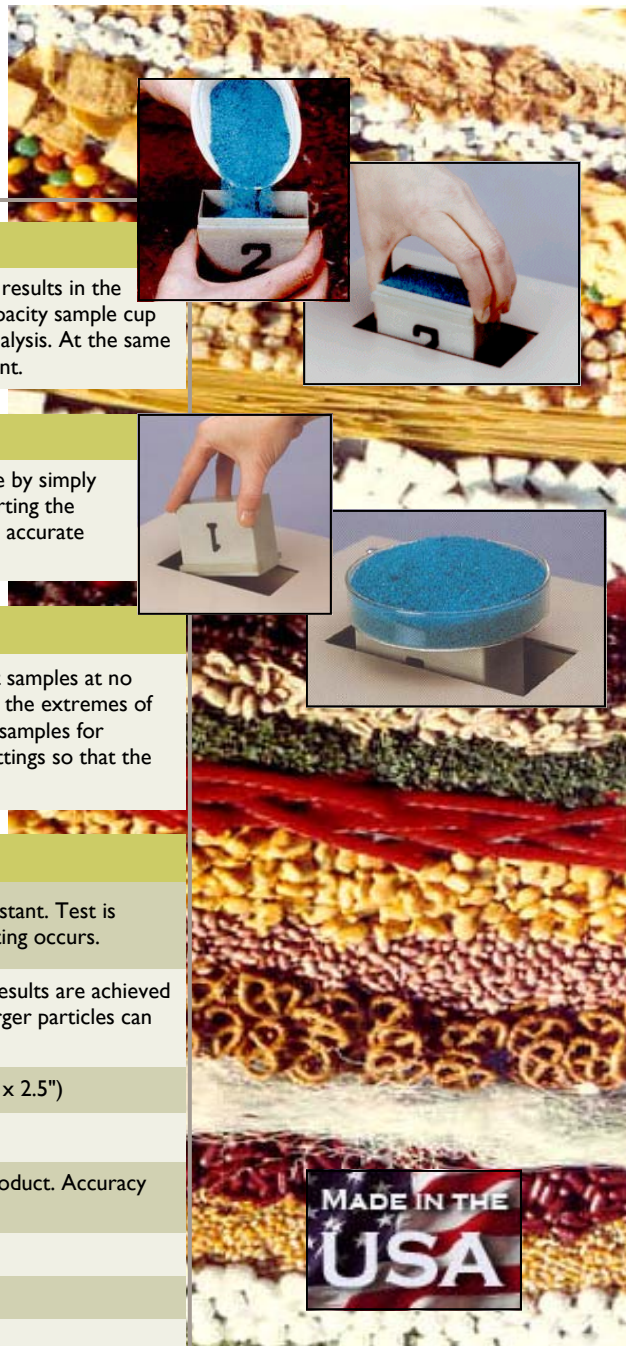


- **Measures Powders, Chips, Granules, Flakes, Pellets, Nuts and more**
- **Non-destructive testing**
- **Measure weight up to 200 gm.**
- **Measures in 5 seconds or less**



# AQUA

Measure Instrument Co.  
Moisture Register Products Division



## Moisture & Density

The MODEL MCPC Moisture Computer provides fast, accurate moisture results in the laboratory or on the production floor. The Moisture Computer's large capacity sample cup and precision electronic load cell combine to assure optimum moisture analysis. At the same time, they provide essential input for specific gravity (Density) measurement.



## Weigh Scale

The electronic load cell is also made available for use as an electronic scale by simply pressing the computer's Weigh Scale keyboard function key and then inserting the supplied scale platform. The weigh scale has a capacity of 200 grams and is accurate enough to meet many laboratory weighing requirements.



## Calibration in our Lab at No Charge

Testing will be accomplished in our laboratory on your submitted product samples at no charge. We require a high and low moisture content sample, preferably at the extremes of your moisture range. For increased accuracy, send additional conditioned samples for multiple point calibration. We will then recommend specific calibration settings so that the MCPC Moisture Computer is ready to use immediately upon receipt.



## Technical Specifications

<b>MEASUREMENT PRINCIPLE</b>	Capacitance device measuring dielectric constant. Test is completely non-destructive. No sample heating occurs.
<b>SAMPLE SIZE</b>	Up to 200 gm (including sample cup). Best results are achieved with particles not exceeding 2.5 cm (1"). Larger particles can be ground for testing.
<b>SAMPLE CUP SIZE</b>	D 7.6 cm x W 3.8 cm x H 6.4 cm (3" x 1.5" x 2.5")
<b>MOISTURE RANGE</b>	0%-30% w weight basis
<b>TYPICAL ACCURACY</b>	± 0.2% depending on moisture range and product. Accuracy not affected by cup fill variations of ± 10%.
<b>REPEATABILITY</b>	± 0.1% on most materials.
<b>MEASUREMENT TIME</b>	5 seconds or less
<b>SPECIFIC GRAVITY RANGE</b>	0.1gm/cc to 1.2gm/cc
<b>SPECIFIC GRAVITY</b>	± 1.0%, expected
<b>WEIGH SCALE CAPACITY</b>	200 gm. Scale is protected with overload stops.
<b>POWER INPUT</b>	All power provided by wall transformer (supplied)
<b>CONSOLE DIMENSIONS</b>	Sample Test Chamber: D 29 cm x W 21.5 cm x H 18 cm (11.5" x 8.7" x 7.2") Test Chamber only: 5.4 kg (12 pounds)
<b>DATA ENTRY</b>	Computer Keyboard (local mode)
<b>OPERATING CONTROLS</b>	Test Chamber Front Panel (remote mode)



## AQUA MEASURE INSTRUMENT CO.

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