

MESA Systems Co.

Precision moisture measurement probes and sensors.



Construction Industry

Fresh Concrete

Aggregate Materials

On-line production

Handheld solutions

**Precision
Moisture
Measurements**

<http://mesasystemsco.com>



Probes and sensor developed for you

Accurate moisture measurement, every batch!

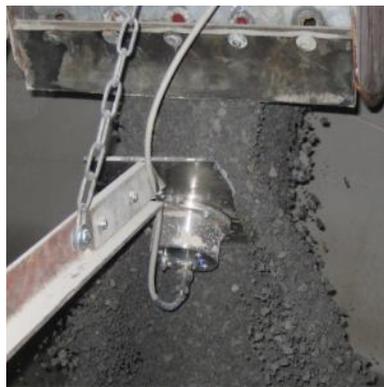
Aggregate Materials

MESA Systems Co. offers both on-line production and portable quality solutions to measure the moisture of all your construction aggregates. SONO moisture probes and sensors are designed for accurate measurements of aggregates, ranging from fine sand to crushed stone up to 1-1/4 inch!



"It's a no news is good news scenario. Cameron [the operator] is happy, I'm happy, and we aren't having any bad loads. I'm ready to start convincing others in this company to use the sensors."

-Rod Leber, Manager General Testing Lab., Concrete Industries, Inc.



SONO-VARIO Xtrem

Fresh Concrete

MESA Systems Co. provides a line of mixer probes and portable solutions for all your fresh concrete needs. SONO moisture probes and sensors are designed for accurate measurements of fresh concrete including moisture measurement and electrical conductivity.



SONO-MIX

"The probe is working great, it saves me a lot of time. I very much enjoy using it and hope to use it for years to come."

-Patrick Weaver, Asphalt Plant Management



HD2-Kit



SONO-WZ

Every probe and sensor is highly wear-resistant and tailored for an intended application. These innovative sensors are a new generation of moisture measurement, providing high-quality, quick and reliable measurements!



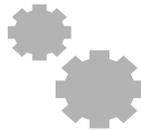
flexible solutions for your moisture measurement needs

High precision and **low maintenance** solutions for
all your aggregates and fresh concrete



HANDHELD SOLUTIONS

Ensure quality control with MESA's handheld devices for both aggregate materials and fresh concrete. These lightweight portable probes and sensors provide accurate, high precision measurements in the field.



ON-LINE SOLUTIONS

Increase your production quality with MESA's on-line moisture measurement devices. Designed for direct material contact for optimized results, MESA provides guidance on installations below hopper gates, on conveyor or weigh-belts for all your aggregates, and in the mixer for fresh concrete.

TRIME® TDR Measurement Technology

Are you tired of endless calibrations, unreliable readings and timely bake-offs? Unlike the Microwave, Capacitive, and Resistance methods, the TRIME® TDR method's measuring field penetrates deep into the material while maintaining direct contact with all your aggregates and fresh concrete. This creates electromagnetic pulses high and constant enough for high precision and low maintenance measurement values.

INTERFACING CAPABILITIES

MESA's probes and sensors interface to all batching and control systems using standard analog interfaces. The SONO-VIEW smart stand-alone display is available to optimize setup and commissioning. Utilize the SONO-VIEW to simultaneously view percent moisture, sensor number and temperature for up to 12 connected probes and sensors, in the backlit LCD display. The key-pad menu allows you to select a calibration (15-standard calibrations), adjust the offset and averaging method, and simulate the analog outputs scale during commissioning.

Using a USB cable, the SONO VIEW can be connected to a notebook computer, bypassing the keypad. This is convenient when making more detailed adjustments, data logging the sensors readings or during commissioning. When connecting a computer to the SONO-VIEW you will use the free SONO-Config software.

If a local display is not required then the optional SM-USB interface module, a notebook computer and free SONO-Config software will give you access to all the same settings, adjustments and parameters available in the SONO-VIEW.

About MESA Systems Co.

MESA Systems Co. has 25+ years of probe and sensor development know how, customer relations and manufacturing experience with moisture measurement.

MESA supplies precision moisture measurement probes and sensors suitable for construction, process and research applications. Achieve the highest repeatability and accuracy possible when measuring fresh concrete, aggregates, grains, foods or soils by choosing MESA. MESA's experts work with you and your team to select the correct probe or sensor solution for your material and industrial needs. In addition, MESA provides expert application engineering knowhow and on-site technical support.



Applications

- ◇ Concrete Production
- ◇ Ready-Mix Plants
- ◇ Pre Cast Plants
- ◇ Asphalt Plants

Materials

- ◇ Fine sand
- ◇ Gravel and crushed stone aggregates up to 1-1/4"
- ◇ Fresh concrete



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