

## AQUAMIX, THE RUGGED, HARD WEARING MICROWAVE MOISTURE SENSOR FOR MIXERS



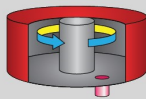
The **AquaMix 2270D** microwave sensor measures the moisture of the material in your mixer and is free of the errors found in alternative methods. Installed in the concrete mixer floor or wall, it measures the material as it is mixed. It gives a very fast response, allowing its internal signal processing to eliminate the variations caused by rapid mixing and obtain a stable reading with very little delay.

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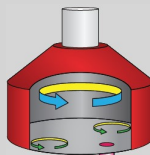
### INSTALLATION IN MIXERS

#### Pan or Turbine mixers:

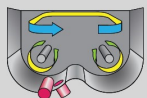
Sensor mounts through outlets and about 1/3 of the distance from outer wall to central hub.



**Planetary or Countercurrent mixers:** Sensor mounts 1/3 of the radius from outer wall.



**Twin Shaft mixers:** Sensor mounts on mixer floor near end wall or on end wall, away from discharge door.



### FEATURES

- Microwave measurement is accurate; unaffected by temperature or admixtures
- Sensor measuring method and output are linear
- Fully sealed stainless steel body
- Silicon Nitride faceplate
- Adjustable mounting assembly can be welded to the body of the mixers
- 10 sets of calibration parameters for different materials or special mix designs
- Advanced filtering gives stable measurement and fast settling
- Designed and manufactured in North America

## SPECIFICATIONS

Measuring Range: 0 – 20% moisture, pre-calibrated for use with standard concrete mix designs

Analog Output: 0 – 20 or 4 – 20 mA. 0 – 10 volt etc. by use of external resistor

Digital RS232 and RS485 Connections: Bidirectional, industry standard protocol and command structure supports up to 16 sensors on the same RS485 line

RS232/RS485 Display and Setup: Windows software displays readings and allows access to setup and calibration menus

Calibration Sets: Up to 10 separate mix designs

Power: 11 to 30 volts DC, 100 mA max

Temperature Range: Full accuracy 0 – 50 °C, 32 – 120 °F. Reduced accuracy 0–80 °C, 32–175 °F

Sensor Size: 89 mm x 226 mm (3.50" x 8.88")

Mount: 152mm (6.00") square

## SYSTEM COMPONENTS

AquaMix Sensor: Digital microwave system

Cable/Connectors: 3, 6, 15 m (10, 20, 50 ft ) and custom length

Junction Box: Connections for power plus analog and digital outputs

Mounting Assembly: Flange plus adjustable weldable mounting plate



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