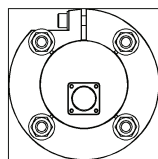
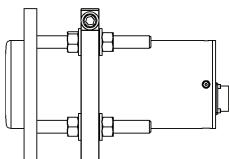


SENSOR FEATURES

- Microwave measurement is accurate; unaffected by temperature or admixtures.
- Sensor measuring method and output are linear.
- Fully sealed stainless steel body.
- Silicon Nitride faceplate is the hardest material after diamond. Wear is a thing of the past; typical life is 10 years or more with normal materials and operation.
- Adjustable mounting assembly can be welded to the body of pan, single shaft and twin shaft mixers.
- "Glider" mount available for rotating pan mixers.
- 10 sets of calibration parameters for different materials or special mix designs.
- Advanced filtering gives stable measurement and fast settling.

SENSOR SPECIFICATIONS

Measuring range:	0 – 20% moisture, pre-calibrated for use with standard concrete mix designs.
Temperature:	Internal temperature sensor readable through serial interface.
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.
Alarm outputs:	Alarm outputs: Four open collector transistors to drive relays or PLC inputs.
Temperature range:	Full accuracy 0 – 50 °C, 32 – 120 °F. Reduced accuracy 0–80 °C, 32–175 °F.
Construction:	Powder coated steel, IP65 / NEMA-4
Sensor size:	89 mm x 226 mm (3.50" x 8.88")
Mount:	152mm (6.00") square



SYSTEM SPECIFICATIONS

Control PLC:	Omron
Touch screen:	Omron 7" TFT colour
Outputs:	120 V relays, contacts rated 2A, 24 VDC or 250 VAC
Inputs:	24 VDC only. Optional relays available for AC operation.
Connection to external batch controller:	Discrete start/complete handshake plus serial RS232 command line where this is available.
Programming and diagnostics:	Via RS232 serial connection to Internet - connected PC computer.
Formula memory:	800 formulas max.
Reading speed:	Over 100 readings per second.
Power:	100 to 240 VAC, universal power supply.
Temperature range:	Operating 0 – 55 °C (32 – 130 °F).
Construction:	Powder coated steel, NEMA-4
Controller size:	508 x 508 x 216 mm (20" x 20" x 8.5").
Shipping weight:	With sensor and mount 36 kg (80 lb).

SYSTEM COMPONENTS

AquaMix sensor:	Digital microwave system.
Cable / connector:	3, 6, 15 m (10, 20, 50 ft) and custom length.
Junction box :	2257, Connections for power plus analog and digital outputs.
Mounting assembly:	Flange plus weldable mounting to fit pan, planetary, twin-shaft and ribbon mixers. Glider mount for rotating pan mixers.
AquaControl controllers:	Single mixer version. Two mixer version.
Water valves:	Full range of valve sizes to match all mixers for both main and dribble feed.
Water meter:	Badger pulse reading meters in sizes from ½" to 2" and 3" mag-flow meter.

CUSTOMIZATION

AquaControl is a PLC-based system, allowing it to be easily customized for different applications. Call us for further details.

SCALE-TRON

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