

# SMART HATCH™

Driving Concrete Performance

## Real Time Measurement

- Air percentage
- Temperature of fresh concrete
- Returning volume in the drum
- Drum rotation



## Data to the Cloud



- Access from any connected device



## Slump

- Hydraulic pressure correlation



## Water Meter

- Record water added to mix



## Truck Cab Display

- User friendly tool for driver to see air percent, temp, hydraulic pressure, volume in drum, water added, etc.

## VALUE ADDED TECHNOLOGY

# CONCRETE

## REAL-TIME QUALITY CONTROL MEASUREMENTS FOR THE READY MIX INDUSTRY

- Eliminates Lost Loads and Tear-Outs
- Reliable, Consistent Measurement
- Easy Installation and Start-Up
- Enables Standard Deviation Reduction
- Available API Integration

# REAL-TIME CONCRETE QUALITY MEASUREMENT, FROM BATCH PLANT TO JOB SITE.

THE SMARThatch™ SYSTEM IS INSTALLED ON THE TRUCK MIXING DRUM PROVIDING CONTINUOUS QUALITY CONTROL MEASUREMENTS FROM BATCH PLANT TO JOB SITE.

## SYSTEM INCLUDES

- Air %
- Temperature
- Hydraulic Pressure
- Volume-in-the-Drum
- Water Added
- Drum Direction & Speed
- Revolution Counter
- Web Based Dashboard

## FINANCIAL AND OPERATIONAL BENEFITS

- Reduce rejected loads and remediation costs
- Reduce time, labor and variability related to manual testing
- Knowing actual volume, time and temperature enables optimal repurposing of concrete
- Provide continuous measurement of entire load vs. small sample size of traditional manual test
- Deliver real-time concrete air and temperature measurement from batch plant to job site
- Measure your air before discharging – no waiting
- Measured and timestamped water additions to mix
- Expand your quality control coverage
- Alert key personnel to out-of-specification concrete
- Provide visibility of adherence to standard operating procedures (e.g. mixing time and drum speed)
- Designed for reliable performance
- Install easily on any truck drum style
- Optimize yield estimates and control



*“The ability to constantly monitor air entrainment and concrete temperature in ‘real-time’ is a huge asset to QC personnel and aids in the preliminary dosing of admixtures based on constant data collection.”*

**– Ready Mix QC Manager**

## CONTACT CIDRA

To speak with an applications engineer about CiDRA's SMARThatch™ System or other CiDRA industrial process measurement solutions, call +1.203.265.0035 or visit our web site at [www.cidra.com](http://www.cidra.com).

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