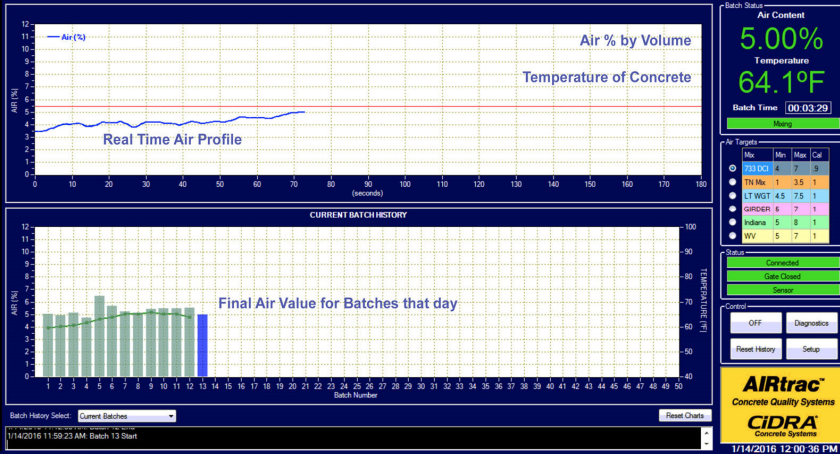


### AIRtrac™ Air Measurement System for Concrete Mixers

#### Control Room Monitor Display



**CiDRA's AIRtrac™** Air Measurement system offers a patented, innovative, turnkey solution for real-time air measurement during the concrete mixing process. The system is designed for use in all stationary-wall mixers, such as pan, twin-shaft, or turbine mixers. The AIRtrac solution provides real-time information that allows the operator to take action (air increase or decrease) before the batch, or subsequent batches, is dumped from the mixer, ensuring the mix will always be within specification. Producers now have “eyes into the process” - something that was not previously possible. This unique technology allows producers to better understand and optimize mixing time, batch sequencing, and mix design. The Quality Control (QC) and Production Managers now have air measurement records for every batch of concrete produced. The AIRtrac system improves concrete quality and consistency and reduces the cost of production.

**The CiDRA AIRtrac™ system moves critical entrained-air measurement upstream in the process.** CiDRA is a pioneer in the area of real-time entrained air measurement in slurries. AIRtrac is the first and only solution to supply air and related process information during the concrete mixing process. The current pressure-pot method only provides for post-pour measurement, when it is not possible to take action and correct a batch that is out of specification. Air is a critical ingredient for optimum performance of concrete, and is used to improve the long-term durability of concrete exposed to water and de-ice chemicals in a freeze/thaw environment. AIRtrac technology brings a truly unique capability that is extremely beneficial to the concrete industry.

*“The AIRtrac system has opened up a whole new world for us. We can troubleshoot, maximize our mix performance, do real time temperature adjustments that provide excellent stability in our air, slump, batch time maximization and on and on... want to thank you all, fantastic ”*

Mark Sokolowski, Regional Quality Control Manager, Armtec, Calgary



### AIRtrac™ Air Measurement System for Concrete Mixers



AIRtrac Installed on Pan Mixer

#### Financial Benefits

- Reduces cost structure and Improves competitiveness by optimizing air content
- Eliminates waste due to out-of-spec air content
  - Real-time data in mixer allows adjustment before being dumped
  - All batches delivered to form within air specification
- Produces better yield estimates
- Reduces time and labor related to pressure-pot Testing
- Avoids costly claims by eliminating quality issues and providing a record of air content for every batch

#### System includes:

- AIRtrac probe with faceplate designed for high abrasion mixing environments
- Control room monitor
- Electronics enclosure box with digital processor and proprietary software

#### Operational Benefits

- Sensor faceplate designed for long-term durability
- No calibration required
- Works on all types of wetted concrete, from low slump to SCC
- Air and temperature measurement for every batch
- Enhanced quality control-consistent concrete production
- Mix design optimization
- Full visibility into effects of mixing time, batch sequencing, and mix design on air content
- Assurance that all batches are monitored and recorded

#### System includes:

- 4-20 mA Output
- Real-time air and temperature data
- extended warranty available



CIC MANAGEMENT  
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