

PROCESS IMPROVERS: BATCHING

Measuring Hidden Moisture In Aggregates

Moisture in sand and aggregates is the hidden variable in the process. Failure to identify this water content has a significant effect on the cost of production, the carbon footprint of the plant, and product quality. Hydronix measures moisture in each batch, transforming mix design accuracy and reliability.

- Reduce cement wastage, reduce CO₂
- Improve yield and productivity
- Accurately control aggregate / cement ratio
- Reduce reject batches
- Excellent Return On Investment



ACCURACY - HYDRO-PROBE SENSORS

Digital microwave moisture measurement is highly accurate. **Hydronix Hydro-Probes** are installed in bins, silos and on conveyors to accurately measure the moisture content of material as it flows over the ceramic faceplate. Hydro-Probes combine precise measurement with user friendly simple set-up and long-term calibration.

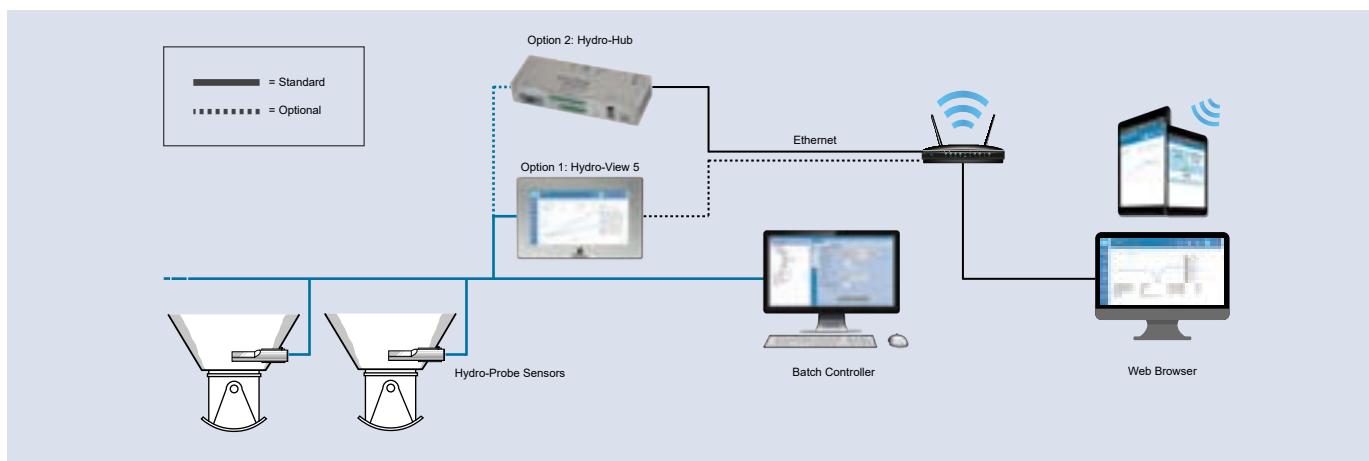
 **REDUCE RAW MATERIAL USAGE. REDUCE CO₂**



USER FRIENDLY - HYDRO-VIEW DISPLAY

Ensuring sensors stay calibrated is key in maintaining batch accuracy over the long term. **Hydronix Hydro-View** is an intuitive moisture display unit that displays real time on-line process measurements, including both moisture and temperature. Its simple interface provides a quick and easy method to calibrate and configure Hydronix sensors.

 **REDUCE RAW MATERIAL USAGE. REDUCE CO₂**



Controlling Moisture In The Mixer

Accurately measuring moisture in the mixer optimises the entire mixing and production process. The system automatically calculates exactly how much water is required for each batch and identifies when the mix reaches homogeneity, ensuring repeatability batch after batch.

- Minimise waste & reject batches, reduce CO₂
- Consistent concrete workability
- Automatically control cement / water ratio
- Maximise concrete product quality
- Excellent Return On Investment



ACCURACY - HYDRO-MIX SENSORS

Digital microwave moisture measurement is highly accurate. **Hydronix Hydro-Mix** is a floor mounted sensor designed to accurately detect moisture levels in the mix. The unit provides long lasting performance and is perfect for static pan, planetary, single shaft and twinshaft mixers. For rotating pan mixers we also offer the Hydro-Probe Orbiter.

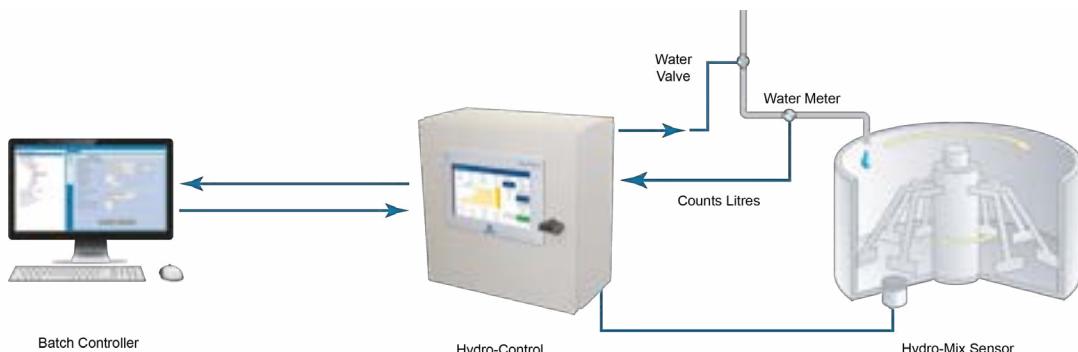
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SIMPLICITY - HYDRO-CONTROL SYSTEM

Used with Hydro-Mix sensors, the **Hydronix Hydro-Control** unit calculates and automatically adds the required amount of water to achieve the desired mix recipe, ensuring consistency in every batch. Designed for simplicity of use, the colour display clearly indicates mix cycle status with a continuous graphical display of moisture content.

 **REDUCE RAW MATERIAL USAGE. REDUCE CO₂**



To find out more about how we're helping reduce CO₂ and cost associated with production, visit:



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