

29 June 2015

Hydronix Releases Updated Sensors and New Software

Updated Sensor Range

Hydronix is delighted to announce that it has updated its range of sensors with a complete internal redesign which takes advantage of increased microprocessor speeds and memory. Our new models retain the existing and proven exterior design of our current sensors but we have included some new features for enhanced functionality.

New Features

- **A second analogue output:** this is now available on all sensor models including the Hydro-Probe. This enables the user to simultaneously output moisture and temperature or any other combination of two configurable outputs.
- **Improved calibration functions:** individual calibration points may now be loaded directly into the sensor making it much easier for engineers to instantly diagnose the quality of a sensor's calibration.
- **On-Board Event Log:** to improve diagnostics and assist with customer support.
- **Simultaneous measurement modes:** sensors with additional measurement modes (all models apart from the Hydro-Probe) are now capable of running all three modes simultaneously. This enables a far simpler method of selecting the most precise mode for a given recipe or material. As a rule, the greater the difference in a sensor's reading between a dry and a wet measurement then the greater the precision of the calibrated moisture reading. As a guideline some examples are given below:
 - Organic Materials: Mode V
 - Lower density organic material: Mode E
 - Concrete: Mode V
 - Self-Compacting Concrete: Mode F (previously known as Standard Mode)
 - Aggregates: Mode F

New Hydro-Com Software: v2.0.0

Hydro-Com has been completely redeveloped using the latest .NET framework technologies to ensure compatibility with past, present and future Windows Operating systems based in many different cultures.

This new version of Hydro-Com calibration and configuration software is being released to support the features added to the new range of sensors and provides better analysis tools to enable customers to use the new sensor features to their full potential.

Hydro-Com v2.0.0 introduces a new filing system that allows engineers in control of multiple sites to store all the settings of any sensor they have connected to in a database. This will enable engineers to easily review calibration data to identify errors or improvements made to calibrations. In addition trending and logging functionality has been expanded to enable engineers to log the sensor in all three measurement modes at the same time to compare the effectiveness of each mode.

A new front page layout will enable users to simultaneously view multiple sensors from multiple networks. Trending and logging functionality has been expanded to enable engineers to log the sensor in all three measurement modes at the same time to compare the effectiveness of each mode.

M I C R O W A V E M O I S T U R E M E A S U R E M E N T

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Things you need to know

- The new sensor models will operate with the current 0975 cables but will require a new 0975A cable in order to take advantage of the additional functionality and to be fully CE and FCC compliant.
- The new sensor models will not support the long obsolete Compatibility Mode.
- All of the User Guides and Brochures for the new models are available on our website: www.hydronix.com
- Our new sensor models are:
 - Hydro-Probe HP04
 - Hydro-Mix HM08
 - Hydro-Probe XT XT02
 - Hydro-Probe Orbiter ORB3 (to be released later this year)

Questions

Q: Are all of the sensors backward compatible?

A: Yes, you can replace a current model sensor with a new model however Compatibility Mode is no longer available.

Q: Can you upgrade a current model to a new model?

A: No, the new sensors are considerably different internally and this is not possible.

Q: Will existing accessories such as ceramic replacement kits for the Hydro-Mix fit the new models?

A: Yes, all of the external shape and fittings are exactly the same as the previous model, so all accessories including ceramic replacement kits, clamp rings, mounting brackets, protection sleeves etc will fit.

Q: Can I output multiple measurement modes?

A: Yes, 2 measurement modes can be output on separate analogue outputs. 3 measurement modes are available simultaneously using digital communications.

If you would like any further information please visit www.hydronix.com, contact your local reseller or email enquiries@hydronix.com