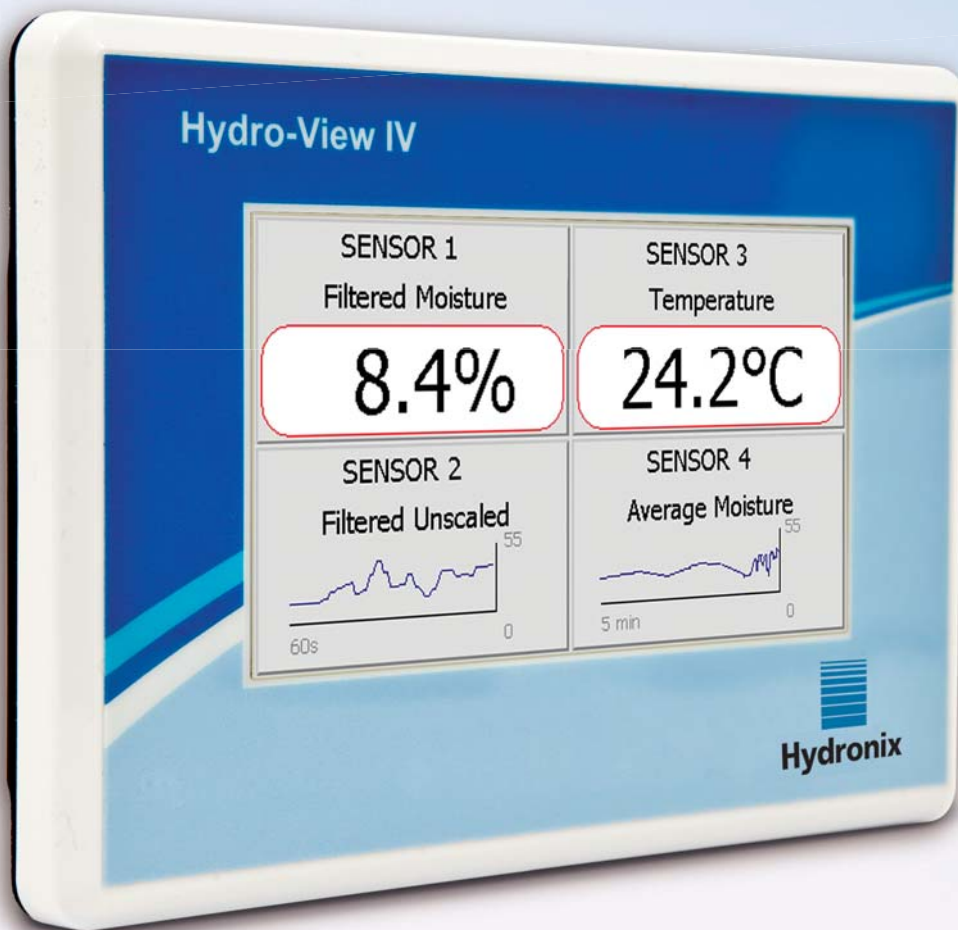




Multi-Function Touch Screen Display  
for Hydronix Sensors

# Hydro-View IV



THE ORIGINAL – THE LEADERS – THE BEST

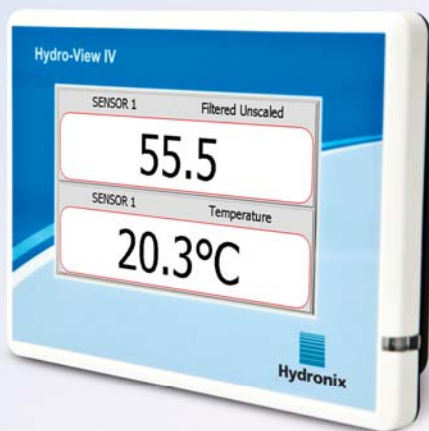
# Hydro-View IV

## *Intuitive display for configuration and calibration of Hydronix Sensors*

*The Hydro-View allows the configuration, calibration and measurement display of up to 16 sensors. Its main display page supports 1, 2 or 4 screen areas, each of which is configurable to display a trend graph or numeric display of measurements from any connected sensor.*

*The Hydro-View stores multiple material calibrations for each sensor, allowing rapid re-calibration if the material being measured is changed. The intuitive multi-point calibration feature enables the sensor to be easily and precisely calibrated.*

*The Hydro-View may be integrated as part of a new control system or as an upgrade to an existing system to provide the user with the benefits of multi-point material calibration.*

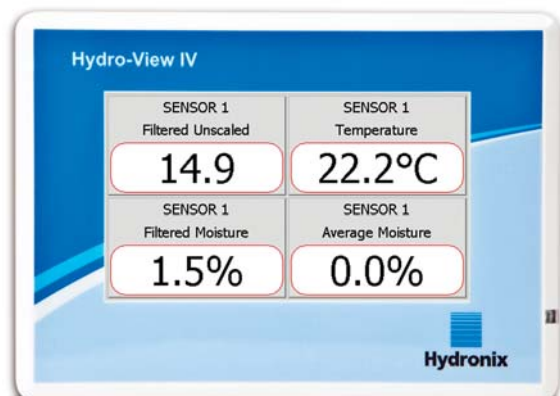


## **Features**

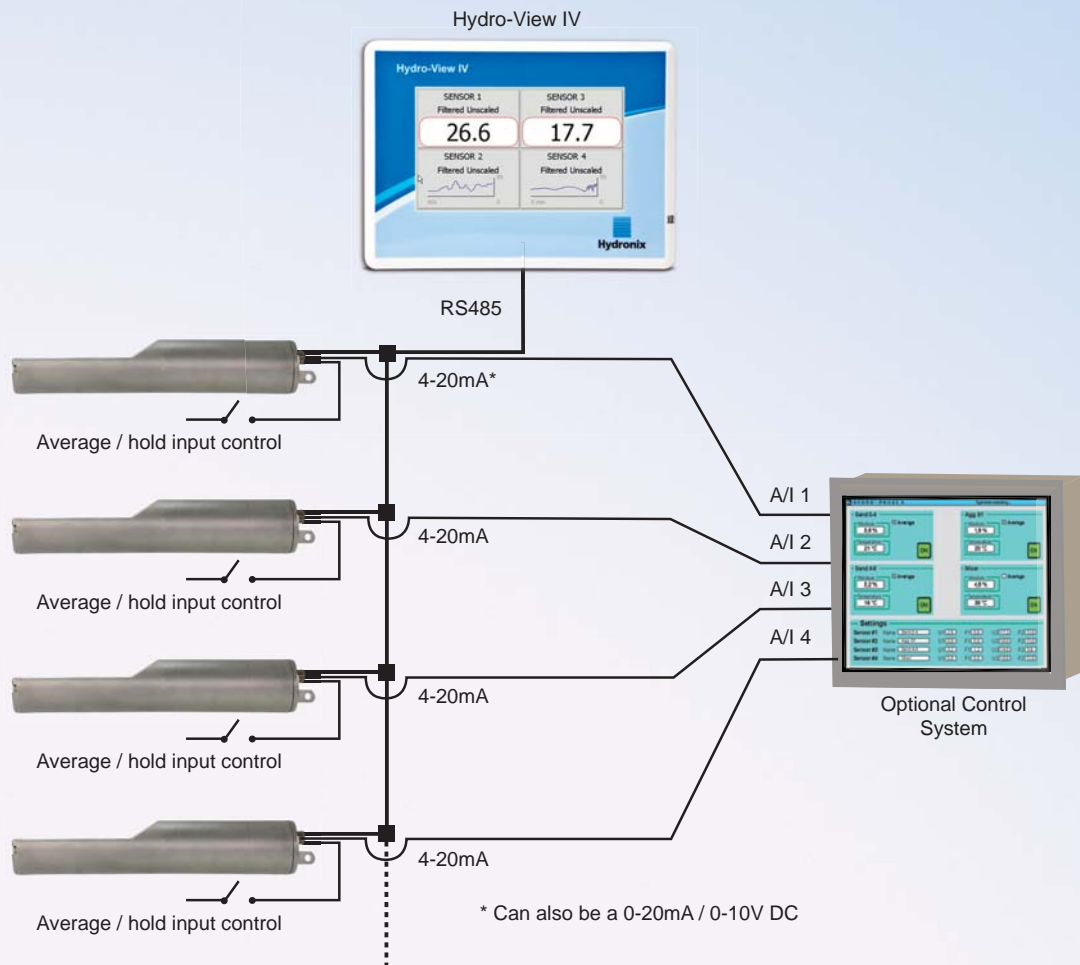
- Intuitive 4.3" LCD colour display touch screen.
- Displays measurements for up to 4 sensors.
- Configurable measurement display for each sensor.
- Trend graph or numeric display.
- Communicates with up to 16 sensors.
- Simple material calibration using multiple points for high accuracy.
- Database stores multiple material calibrations.
- Configuration of all sensor parameters.
- Logging of sensor data.
- USB backup and restore.
- Easy to install into new or existing systems.



## **Multiple Parameters**



## Typical Installation and Connectivity



## Multi-Point Calibration

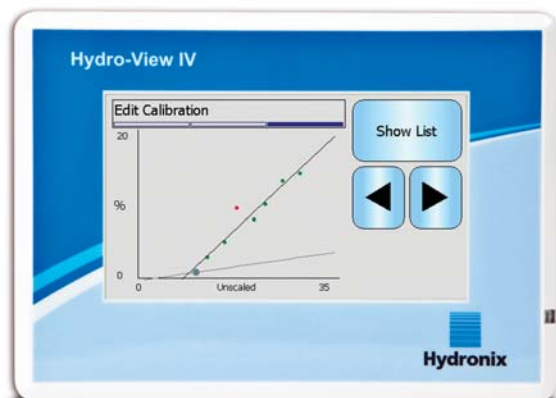
Hydronix digital microwave sensors are more accurate than the sampling process typically used for material calibration. Taking multiple samples allows any errors in the material sampling and the laboratory test processes to be mitigated providing a highly accurate calibration line.

The Hydro-View provides a simple interface to correlate sensor readings with laboratory test results from multiple material samples. Its logical process assists the user by storing the average sensor reading while samples are being taken, making it simple to match them to the laboratory test results. This provides a precise calibration of the sensor to the material being measured. Optional "Calibration Rules" validate the data as a calibration is created.

### Multiple Sensors



### Multi-Point Calibration



# Technical Information

## Construction

Body: Plastic

Touch Screen: 4.3" Widescreen LCD colour display

## Computer Operating System

Windows CE

## Fixing

The unit can be installed in an operator panel or in the Hydronix Enclosure. If installing in an operator panel a cutout of 125mm wide x 92mm high is required. The maximum panel thickness is 3mm.

## Power Supply

24V DC 0.3A (7W) for Hydro-View IV only.

Power for sensors must be provided separately.

## Communications

RS485 communication with up to sixteen sensors.

## Sensor Connection

Hydronix sensors can be connected to the Hydro-View by one twisted pair (2 cores total) screened (shielded) cable with 22 AWG, 0.35mm<sup>2</sup> conductors suitable for up to 100m.

## Calibrations

Up to 10 multi-point calibrations per sensor (160 total), with maximum of 20 points each.

## Ingress Protection

IP65 Front panel (when correctly installed in an operator panel or cabinet).

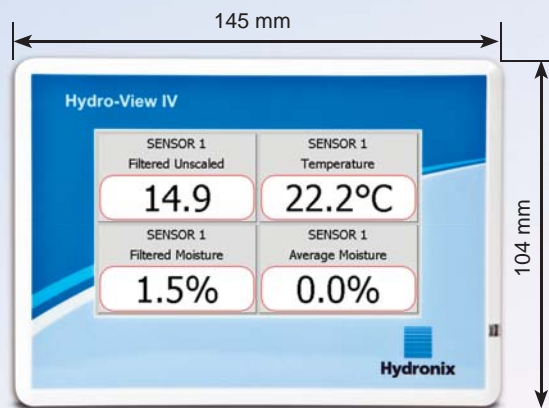
## USB Connection

Connection for USB memory stick enables system and sensor backup and restore.

## Operating Temperature

0 – 50 degrees C.

Enclosure (Optional)



| Part Number | Description                                |
|-------------|--|
| HV04        | Hydro-View IV (includes Mounting Bracket)  |
| 0116        | Power Supply - 30 Watt for up to 4 sensors |
| 0175        | USB Panel Mount Socket                     |
| 2010        | Hydro-View Wall Mounted Enclosure          |
| HV4EW       | 4 Year extended warranty option            |