



Touch Screen Display for viewing data and calibrating and configuring Hydronix Sensors

Hydro-View



THE ORIGINAL – THE LEADERS – THE BEST

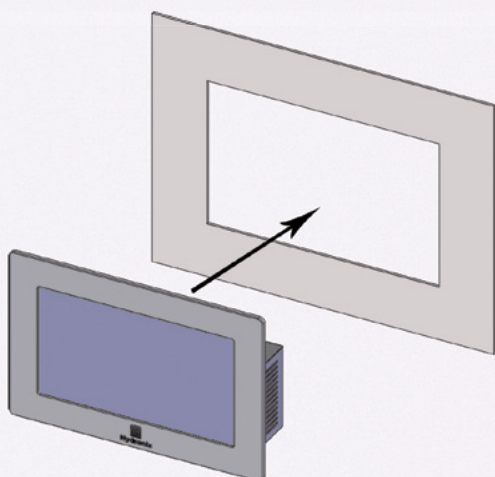
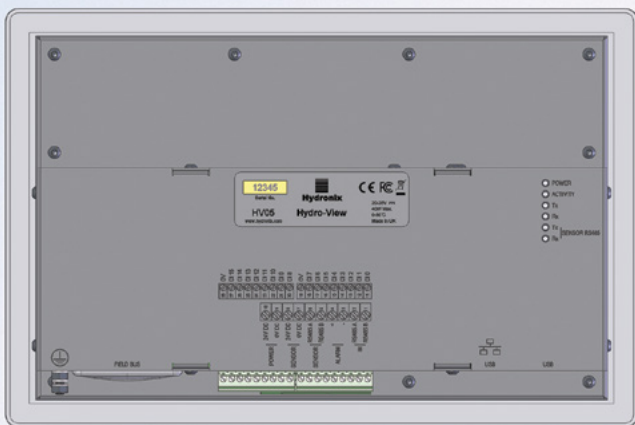
Hydro-View

Touch screen system to view data and manage Hydronix Sensors

The Hydro-View provides a simple interface to view Hydronix sensor data in addition to sensor configuration, diagnostics, calibration and data collection. The Hydro-View can be used either as a stand alone unit for recording sensor data or integrated into a control system.

The Hydro-View connects a network of up to 16 Hydronix sensors with multiple systems simultaneously. Connections can be made using TCP/IP, existing RS485 networks implementing the Hydro-Link Protocol or through the Fieldbus option.

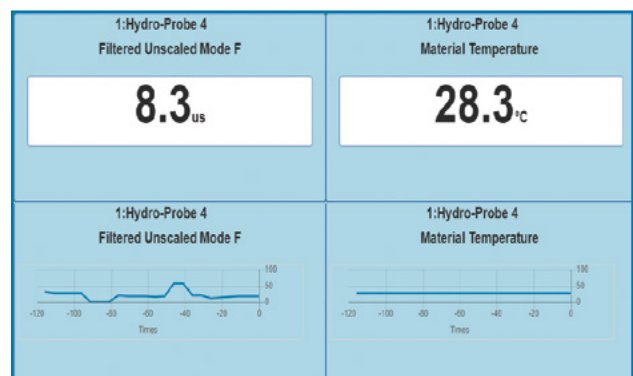
The Hydro-View has a 10.1" touch screen for local configuration and viewing and features a built in web server with a web API for machine data requests. Its web browser interface gives it the flexibility to be used with tablets and PCs when a remote connection is required. For systems that have already implemented the Hydro-Link protocol, the Hydro-View adds the full functionality of Hydro-Com software via the web browser interface.



Features

- 10.1" touchscreen.
- Easy to install in new or existing systems.
- Simple to integrate into Hydronix networks.
- Live display to view measurements of up to 6 sensors.
- Communicates with up to 16 sensors.
- Ethernet Port with web browser interface / Web API.
- Calibrate Hydronix sensors.
- Log sensor data via USB.
- Live sensor diagnostics.
- Sensor configuration.
- Optional - Fieldbus connection.
- Optional - Calibration selection using digital inputs.

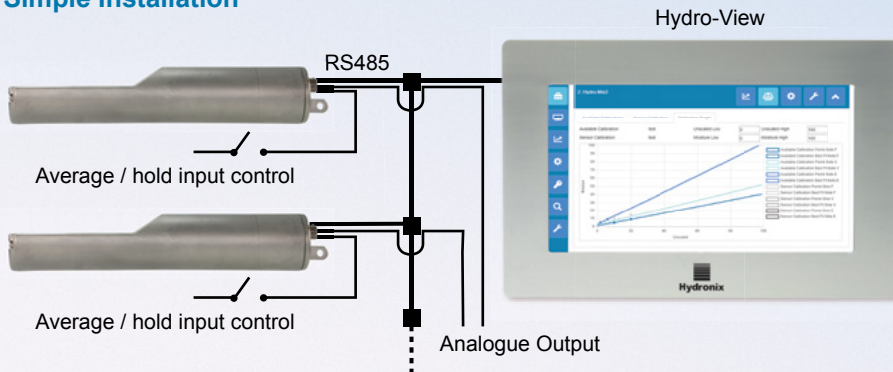
Live Data Display



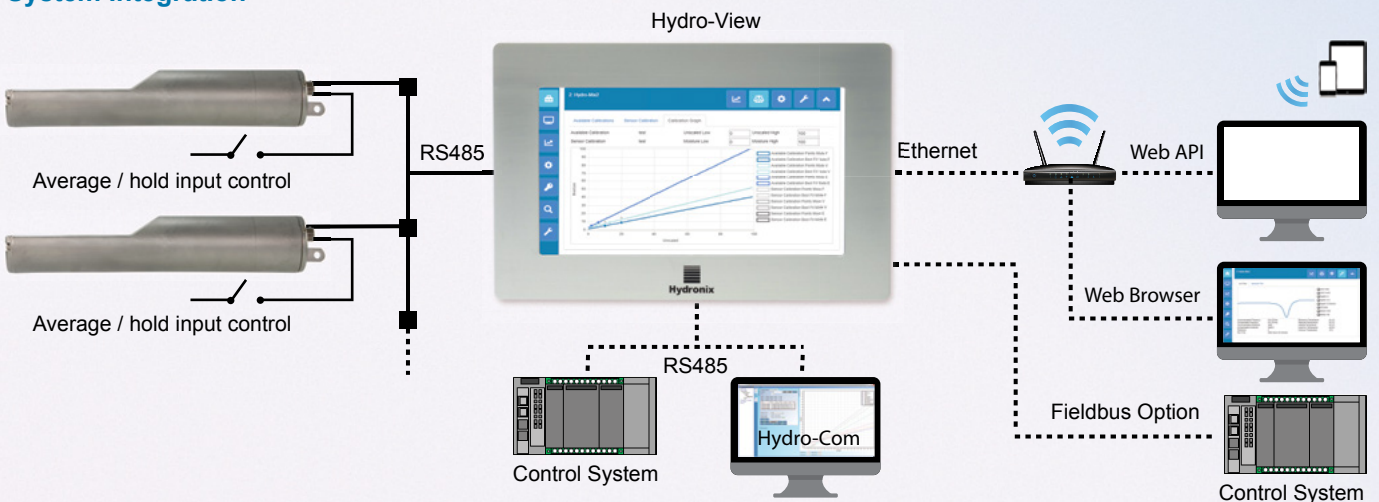
Typical Installation and Connectivity

The Hydro-View is easy to install in existing systems and expands their capability through the additional RS485 port which accepts all current and legacy Hydro-Link protocol commands.

Simple Installation



System Integration

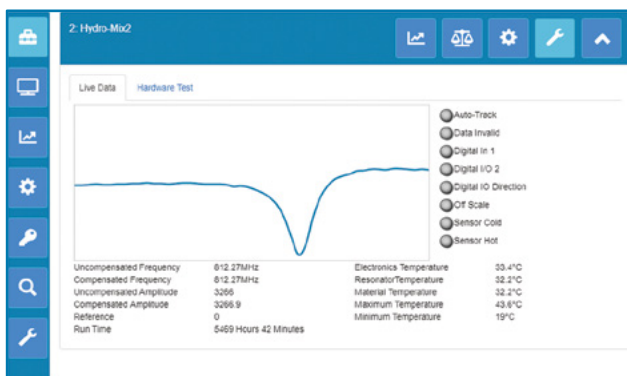


Calibration Management

The calibration management functionality provides support for integrators and users who only require a moisture value from a sensor in their system without needing to write complicated calibration functions.

The web browser interface can be used to store multiple sensor calibrations for different materials, sensor configuration, diagnostics and logging.

Sensor Diagnostics



Multi-Point Calibration



Technical Information

Construction

Body: Stainless Steel.

Touch Screen: 10.1" Widescreen LCD colour display.

Unit Operating System

Linux.

Fixing

The unit can be installed in an operator panel or in the Hydronix steel enclosure.

Power Supply

24V DC 1.25A (40W) for Hydro-View only.

Power for sensors must be calculated separately.

Web Interface

Web browsers with a screen resolution of 1024 x 600 and above.

Communications

RS485 communication from Control System.

RS485 communication to sensor network of up to 16 sensors.

Ethernet port.

Web browser over TCP/IP network.

Optional Fieldbus port:

- PROFIBUS Module
- Ethernet/IP Module
- PROFINET Module

Optional 16 Digital Input card for digital calibration selection (16 sensors, 256 calibrations for each)

USB ports for USB memory sticks for data logging, backup / restore and system upgrade.

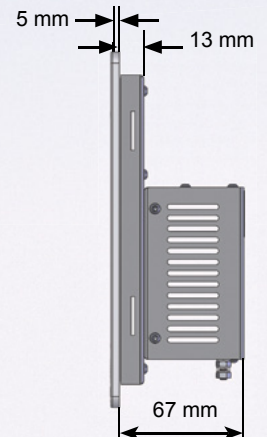
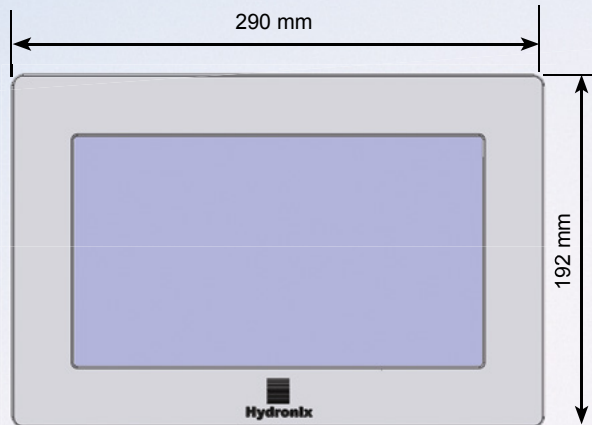
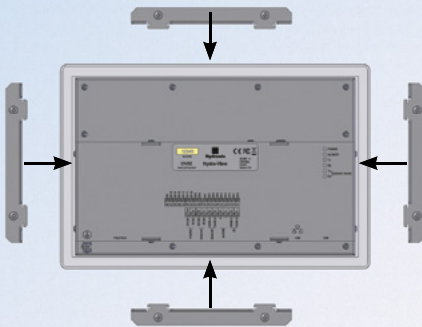
Ingress Protection

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

Operating Temperature

0 – 50 degrees C.

Fixing brackets for panel mounting



Hydronix

Head Office - United Kingdom:

Tel: +44 (0)1483 468900

Fax: +44 (0)1483 468919

Email: enquiries@hydronix.com

Central Europe & Southern Africa:

Tel: + 49 2563 4858

France:

Tel: + 33 (0) 652 04 89 04

America, Spain & Portugal:

Tel: 888-887-4884 (toll free)

or +1 231-439-5000

www.hydronix.com

Part Number	Description
HV05	Hydro-View (includes Mounting Brackets)
HV05E	Hydro-View with Expansion Module
0117	Power Supply - 24VDC, 120W to power 16 sensors
	Fieldbus Module
1187	PROFIBUS Module
1188	Ethernet/IP Module
1189	PROFINET Module
0175	USB Panel Mount Socket
HV05EW	4 Year extended warranty option

