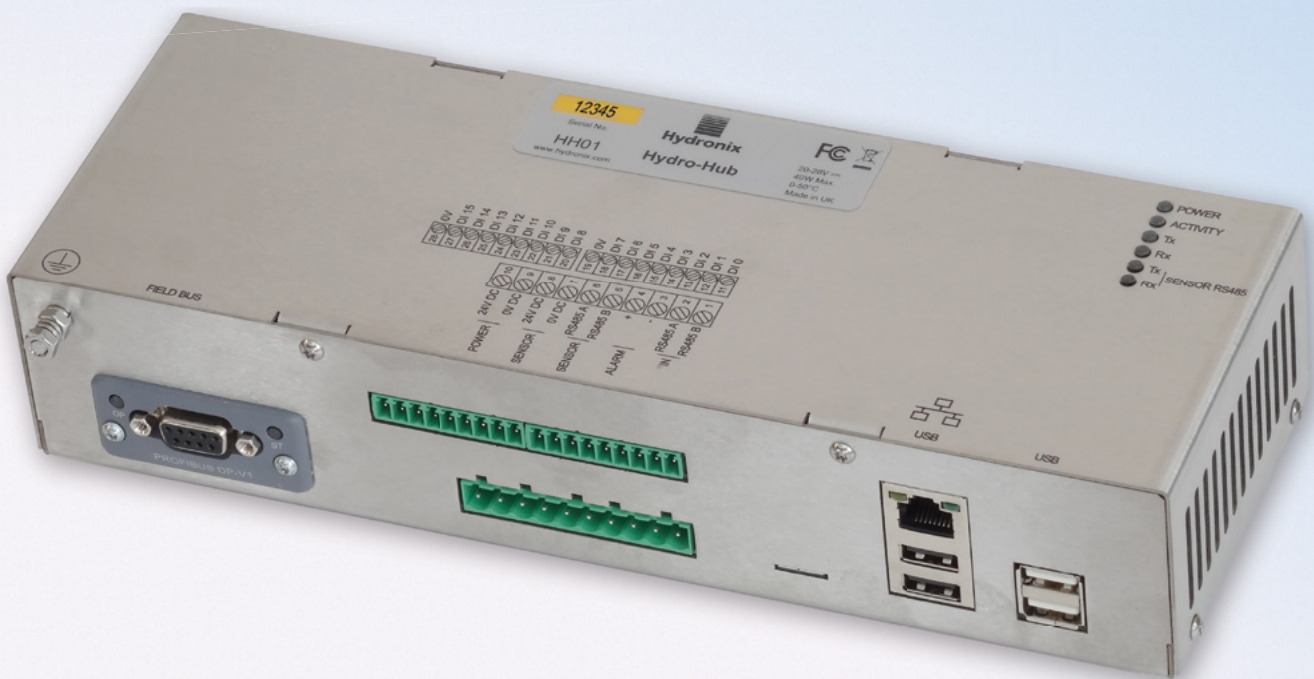




Connect Hydronix sensors to Office and Fieldbus networks

Hydro-Hub



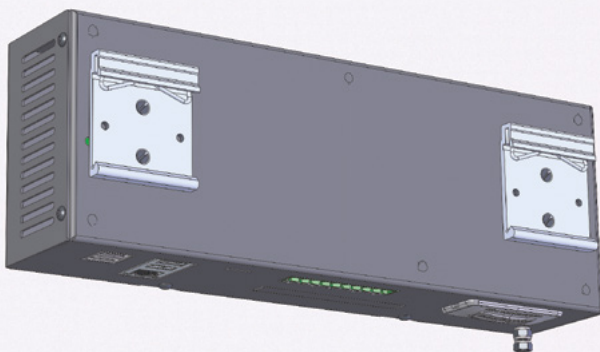
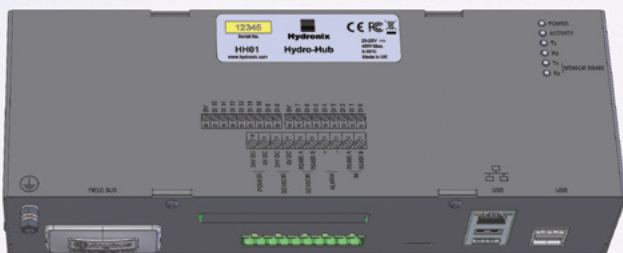
THE ORIGINAL – THE LEADERS – THE BEST

Hydro-Hub

Easily connect Hydronix sensors to office and fieldbus networks

The Hydro-Hub is a central point to connect a Hydronix sensor network of up to 16 sensors with multiple systems simultaneously. The unit provides an easy method of data collection in addition to sensor configuration and diagnostics and calibration selection. Connections can be made using TCP/IP, existing RS485 networks implementing the Hydro-Link Protocol or through the Fieldbus option.

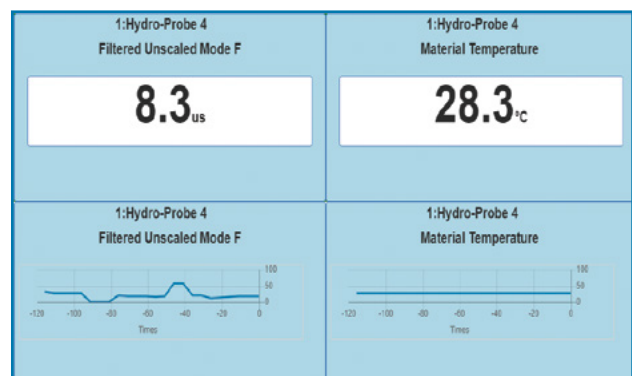
The Hydro-Hub features a built in web server with a web API interface for remote connections enabling interaction with the Industrial Internet of Things. It's web browser interface provides the flexibility to be used with tablets and PCs. For systems that have already implemented the Hydro-Link protocol, the Hydro-Hub adds the full functionality of Hydro-Com software via the web browser interface.



Features

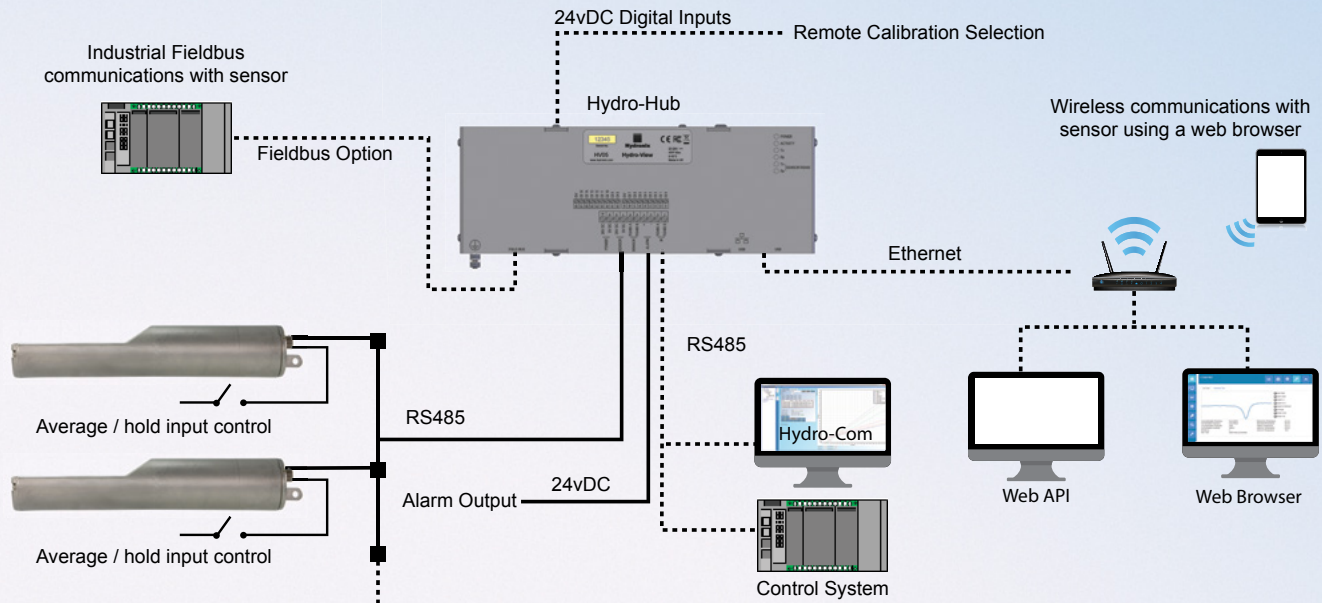
- Easy to install in new or existing systems.
- Live display to view measurements of up to 6 sensors.
- Communicates with up to 16 sensors.
- Ethernet Port with web browser interface / Web API.
- Compatible with modern web browsers.
- Calibrate Hydronix sensors.
- Log sensor data.
- Live sensor diagnostics.
- Sensor configuration.
- DIN Rail mountable.
- Fieldbus connection option
- Calibration selection option using digital inputs.

Live Data Display



Typical Installation

The Hydro-Hub 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.



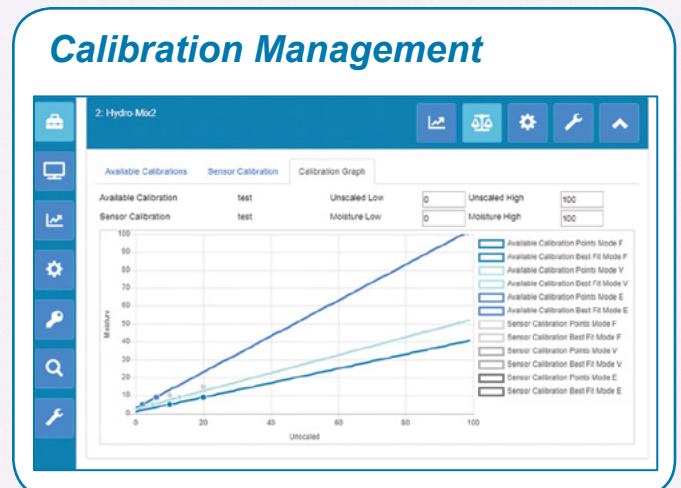
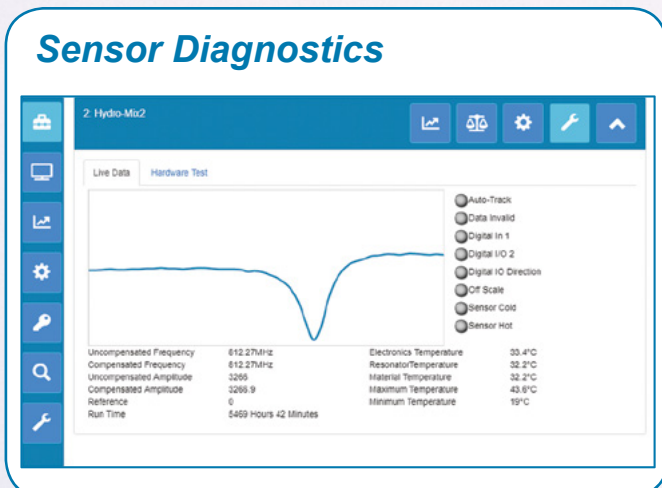
Connectivity

The Hydro-Hub overcomes the limitations of a single master RS485 network by using advanced algorithms. This allows the sensor communications to be shared by multiple TCP/IP, Fieldbus and RS485 connections. It 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.

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.



Technical Information

Construction

Body: Stainless Steel.

Unit Operating System

Linux.

Fixing

DIN rail mounting to IEC/EN 60715.

Power Supply

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

Power for sensors must be calculated separately.

Web Interfaces

Hydronix web interface is compatible with leading browsers that have 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 interface over TCP/IP network.

Optional Fieldbus port:

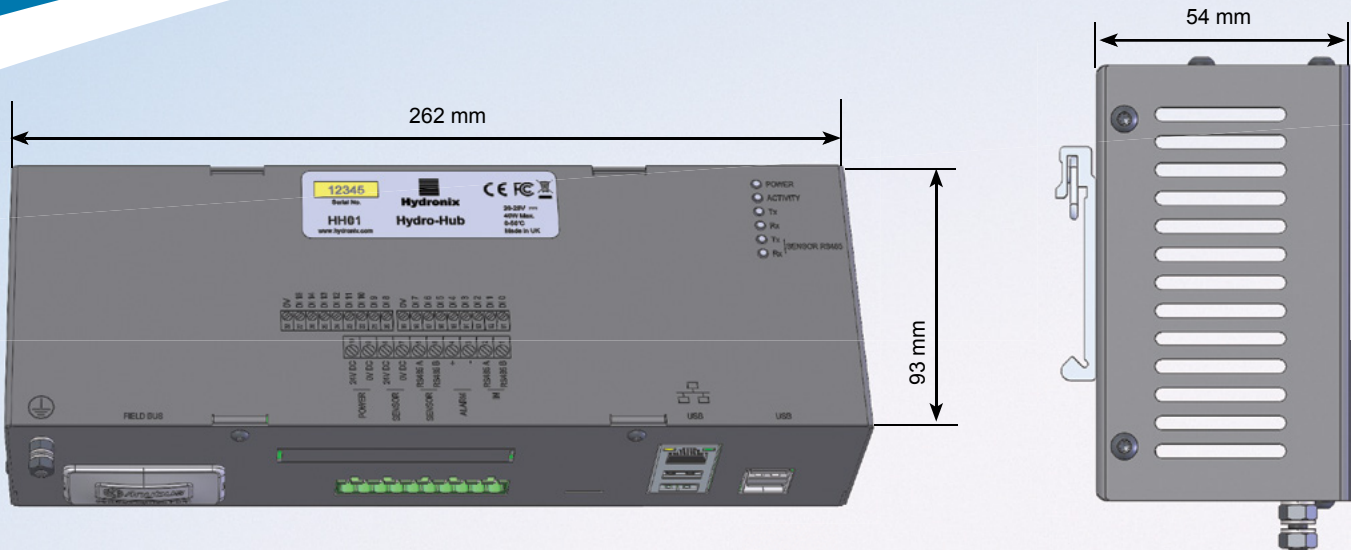
- PROFIBUS Module
- Ethernet/IP Module
- PROFINET Module

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.

Operating Temperature

0 – 50 degrees C.



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www.hydronix.com

Part Number

Description

HH01	Hydro-Hub (includes Mounting Bracket)
HH01E	Hydro-Hub 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
HH01EW	4 Year extended warranty option

