

Engineering note: EN0075 Comparing Hydro-View IV and Hydro-View II

Summary: Compares the Hydro-View IV and Hydro-View II products to assist customers to upgrade to the newer product

Products affected: Hydro-View Model numbers: HV02, HV03 and HV04

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This Engineering Note compares the applications and functions of the new Hydro-View IV product with those of the Hydro-View II product, to assist customers in upgrading to the newer unit.

Function	HV04	HV02/HV03
Supply Voltage	24V DC	230V or 110v ac, internally selected
Power Supply Connection	Screw Terminal block (supplied)	IEC Power inlet
Sensor Power Connection	From plant 24V supply	From Hydro-View
Mounting Dimensions	125mm x 92mm cut-out; 35mm depth;	140mm x 92mm cut-out; 205mm depth;
User Interface	Colour Touch screen	Monochrome display with soft key buttons
Display Options	Numeric or Graphical, or combinations of both	Numeric or Graphical
Number of Sensors	1 – 16 (up to 4 displayed)	1
Sensor Connection	RS-485 via Screw Terminal block (supplied)	Analogue current loop via Screw Terminals
Sensor Types	Hydronix digital sensors: HP02, HP03, HP04, HPXT, XT02, HM05, HM06, HM07, HM08, ORB1, ORB2, ORB3, HT01, HT02, HPSE, SE02	Hydronix Analogue sensors: HP01, HM04 Hydronix digital sensors in Compatibility mode
Sensor Linearisation	Not required	In Hydro-View

Connection to Control System	Analogue and digital outputs direct from sensor(s)	Analogue and digital outputs from Hydro-View
Sensor Configuration and Commissioning	In sensor, via Hydro-View	n/a
Sensor Signal Conditioning, Filtering and Averaging	In sensor	In Hydro-View
Sensor Material Calibration	In Sensor; Configured from Hydro-View with 10 Materials per sensor, 20 points each;	In Hydro-View; 10 Materials, 2 points each;
Digital Inputs and Outputs	In sensor	In Hydro-View
Remote Communications Protocol	Not supported	RS-232 or RS-485 (option)
Multiple Sensor Averaging	Not supported	Using multiple Hydro-View units
Accessories	Wall Mounting Enclosure; Desktop Stand; Power Supply;	Wall mount version: HV03