

HyView™ Display

For H2Scan's Hydrogen Sensors



We don't make hydrogen, we make hydrogen **safe**.

About HyView™ Display

The HyView™ display pairs with a H2Scan Hydrogen Sensor providing indication of Hydrogen concentration and temperature. The HyView™ includes an alarm output that which allows customers to easily wire alarms into SCADA (Supervisory Control and Data Acquisition). The HyView™ display also allows pass-through communications for real-time monitoring.



Features



FM Approved as Explosion and NEMA-RATED, Dust and Ignition-Proof



Wide-angle viewing display



5-Digit Decimal LCD Display



Display Mountable at 0°, 90°, 180° and 270°



Modbus Accessible Data



Data Logging Functions



HyView™ Display

General

Display	<p>Top Display</p> <p>Five digits (0 to 99999), 0.7" (17.8 mm) high, 7-segment.</p> <p>Bottom Display</p> <p>Seven alphanumeric characters, 0.4" (10.2 mm) high, 14-segment.</p> <p>Symbols</p> <p>High alarm, low alarm, sleep mode/disable, password lock.</p>	Isolation	<p>500 V power-to-RS-485 serial communications</p> <p>500 V power-to-analog output</p>
Alarm Indication	<p>Flashing display plus HI/LO indicators</p>	Environmental	<p>Operating temperature range: -40 to 75°</p> <p>Storage temperature range: -40 to 75°</p> <p>Backlight deactivated below temperatures ≈ -20°C</p> <p>Relative humidity: 0 to 90% non-condensing</p> <p>Printing circuit boards are conformally coated.</p>
Scan and Update Rate	<p>Ambient > -20°C: Modbus PV scan rate programmable from 2 to 99 seconds per PV. Tag and units programmable for 1 to 5 second alternation.</p> <p>Ambient < -20°C: All Modbus scan, alternating units and tags 1 update/ 10 seconds minimum.</p>	Non-Volatile Memory	<p>All programmed settings are stored in non-volatile memory for a minimum of ten years if power is lost.</p>
Programming Method	<p>Four through-glass buttons when cover is installed. Four internal pushbuttons when cover is removed.</p>	Connections	<p>Screw terminals accept 12 to 22 AWG wire.</p>
Input Power	<p>9-30 VDC, 2.2 W</p>	Enclosure	<p>Explosion-proof die-cast aluminium with glass window, corrosion resistant epoxy coating, copper-free (0.3%)</p> <p>Color: Blue</p> <p>NEMA 4X, 7 and 9, IP68.</p> <p>Conduit connections: Three ¾" NPT threaded conduit openings.</p>
Data Logging	<p>Up to 511 records, recorded 4/day at specific times or at defined time intervals. Record contains first eight enabled.</p> <p>Modbus PVs, C1-4 if enabled; date; time and log number.</p>	Mounting	<p>May be mounted directly to conduit. Two slotted flanges for wall mounting or NPS 1½" to 2½" or DN 40 to 65 mm pipe mounting. See dimensions on page 13.</p>