

HYVIEW[®]

HYDROGEN SENSOR ACCURACY



HYVIEW Display for H2scan's Hydrogen Sensors

The HYVIEW[®] display pairs with an H2scan hydrogen sensor providing hydrogen concentration. The HYVIEW accepts inputs from up to four sensors and includes Modbus output that which allows customers to easily wire alarms into a SCADA or building management system. It provides more value to the long life, self-maintaining H2scan hydrogen sensors in both transformers and battery rooms. The HYVIEW adds the ability to read hydrogen data allows the operator greater real-time access to important reliability and safety information.

Features

- Explosion Proof (P/N: 105904)
- NEMA Rated Enclosure Unit (P/N: 105903)
- Wide-angle viewing display
- 5-digit decimal LCD display
- Display mountable at 0°, 90°, 180°, 270°
- Modbus accessible data
- Data logging functions

Applications

Fuel cells H2 measurement on both anode and cathode side

Electrolysis process streams

Semiconductors

Oil hydrogenation

Battery rooms

Data center UPS

Utility applications and substations

Energy storage batteries

Telecom central offices and remote sites



Specifications

General	
Dimensions	144 x 133 x 106 mm (5.67 x 5.25 x 4.18 in)
Alarm Indication	Flashing display plus HI/LO indicators
Programming Method	Four through-glass buttons when cover is installed. Four internal push buttons when cover is removed.
Input Power	9-30 VDC, 2.2 W
Data Logging	Up to 511 records, recorded 4 times a day at specific times or at defined time intervals
Isolation	500 V power-to-RS-485 serial communications. 500 V power-to-analog-output
Non-Volatile Memory	All programmed settings are stored in non-volatile
Connections	Screw terminals accept 12 to 22 AWG wire
Enclosure	Explosion-proof die-cast aluminum with glass window, corrosion resistant epoxy coating, copper-free (0.3%)
Scan and Update Rate	
Ambient > -20°C (-4°F)	Modbus PV scan rate programmable from 2 to 99 seconds per PV. Tag and units programmable for 1 to 5 sec alteration
Ambient < -20°C (-4°F)	All Modbus scan, alternating units and tags 1 update/ 10 sec minimum
Display	
Top Display	Five digits (0 to 99999), 17.8 mm (0.7 in) high, 7-segment
Bottom Display	Seven alphanumeric characters, 10.2 mm (0.4 in) high, 14-segment
Symbols	High alarm, low alarm, sleep mode/disable password lock
Environmental	
Operating Temperature Range	-40°C to 75°C (-40°F to 167°F)
Storage Temperature Range	-40°C to 75°C (-40°F to 167°F)
Backlight Deactivated Temperature	-20°C (-4°F)
Relative Humidity	0 to 90% non-condensing
Installation	
Mounting	May be mounted directly to conduit. Two slotted flanges for wall mounting or NPS 1 1/2 to 2 1/2 or DN 40 to 65 mm (1.5 to 2.55 in) pipe
Certifications	
SA	
CE	
FM Approved	
EX (P/N: 5902?)	
NEMA (P/N: 5903)	