

TRANSFORMER MONITORING SOLUTIONS

Continuous hydrogen monitoring that turns early warning into protected uptime



H2scan combines continuous hydrogen sensing, transformer health monitoring and flexible system integration to help utilities detect developing faults early, reduce unplanned outages and extend transformer life.

ALWAYS
ALERT



CONTINUOUS MONITORING

Continuously monitors dissolved hydrogen across the fleet to catch the first signs of a developing fault.

PRECISE
MEASUREMENTS



PATENTED SELF- CALIBRATION

No need for periodic recalibration, giving maintenance teams true set-and-forget monitoring.

NO CROSS-
SENSITIVITY



ABNORMAL STATE DETECTION

Alerts owners to an abnormal operation or state of their asset, giving maintenance teams time to act while the problem is still manageable.

WORKS WITH
YOUR SETUP



FULL SYSTEM INTEGRATION

Modbus and DNP3 connectivity integrate directly into SCADA, IoT platforms and OEM transformer monitoring or multi-gas DGA systems, and aggregates data through H2cloud.

BUILT FOR
THE FIELD



RUGGED AND RELIABLE

Rated for hot, cold, salt water and submersible conditions; built to operate reliably wherever the fleet is deployed.

MADE WITH LONG
LIFESPAN



LONG OPERATING LIFE & LOWER OPEX

Built for the full operating life of the assets it protects, cutting the ongoing cost of fleet-wide monitoring.



H2scan ADVANTAGES

- Hydrogen specific and multi-sense monitoring solutions
- Self-calibration fleet-wide transformer coverage
- High reliability, low life cycle cost
- No cross-sensitivity

SYSTEM INTEGRATION

- Modbus and DNP3 communications
- Analog and relay interfaces
- Local display, IoT and cyber-secure cloud access

H2scan brings situational intelligence to hydrogen-critical environments. Continuous monitoring, self-calibration and zero false alarms turn hydrogen data into operational confidence with fewer interruptions, less downtime, and more momentum.

TRANSFORMER MONITORING SOLUTIONS

Continuous hydrogen monitoring for transformer fleets of every size, sensing the first signal of a developing fault long before it becomes a costly failure.

GRIDSCAN® 5000/5010 SPECIFICATIONS

H ₂ Measurement Range	Oil Phase: 25–5,000 ppm Gas Phase: 25–5,000 ppm in-oil equivalent
Accuracy	±20%
Repeatability	±10%
Operating Temperature (Ambient)	–40°C to 70°C (–40°F to 158°F)
Sensor Temperature	Oil Phase: –40°C to 105°C (–40°F to 221°F) Gas Phase: –40°C to 80°C (–40°F to 176°F)

GRIDSCAN 5000 HP SPECIFICATIONS

H ₂ Measurement Range	Oil Phase: 25–5,000 ppm Gas Phase: 25–5,000 ppm in-oil equivalent
Accuracy	±10%
Repeatability	±10%
Operating Temperature (Ambient)	–40°C to 70°C (–40°F to 158°F)
Sensor Temperature	Oil Phase: –40°C to 105°C (–40°F to 221°F)

TRANSFORMER MONITORING ACCESSORIES

GSAO-2 (I/O CONTROL HUB)



Local display with analog I/O, alarm relays and communications

SENTINEL™ PRO (IOT MONITOR)



Wireless Communication hub for GRIDSCAN sensors with optional embedded LV Power Quality Measurement

GRIDSCAN 5015 SPECIFICATIONS

H ₂ Measurement Range	Gas Phase: 250–50,000 ppm in-oil equivalent
Accuracy	±20%
Repeatability	±10%
Operating Temperature (Ambient)	–20°C to 70°C (–4°F to 158°F)
Sensor Temperature	Gas Phase: –40°C to 80°C (–40°F to 176°F)

GRIDSCAN 6200 SPECIFICATIONS

H ₂ Measurement Range	Oil Phase: 25–5,000 ppm
Accuracy	±20%
Repeatability	±10%
Operating Temperature (Ambient)	–40°C to 70°C (–40°F to 158°F)
Sensor Temperature	Oil Phase: –40°C to 125°C (–40°F to 257°F)

H2CLOUD™ (FLEET MONITORING PLATFORM)



Cloud-based platform for real-time access to transformer fleet and PQ data with secure data archiving

HYVIEW® MODBUS DISPLAY



Displays H₂ in percent or ppm locally for instant indication

GSAO-1 (MODBUS TO 4-20 mA)



Converts GRIDSCAN Modbus signal to analog output

