

GRIDSCAN® 6200

Continuous dissolved gas monitoring that turns early warning into protected uptime



A dedicated hydrogen sensor for transformer fleets, the GRIDSCAN 6200 continuously monitors hydrogen, moisture, temperature and pressure in the transformer oil space and flags a developing fault before it becomes a catastrophic failure. The 6200 has long-term accuracy with no calibration gases, consumables or scheduled maintenance required.

ALWAYS ALERT



CONTINUOUS DISSOLVED GAS MONITORING

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

STABLE SENSING TECHNOLOGY



PATENTED SELF-CALIBRATION

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

NO CROSS-SENSITIVITY



ABNORMAL STATE DETECTION

Alerts owners the moment an asset enters an abnormal state, giving maintenance teams time to act while the problem is still manageable.

WORKS WITH EXISTING 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 submersed conditions; built to operate reliably wherever the fleet is deployed.

LONG LIFESPAN ENABLED



LONG OPERATING LIFE & LOWER OPEX

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



POWER & COMMUNICATION

- 12–24 VDC voltage input
- 10 W max power consumption
- 3-wire RS-485 (Modbus, DNP3), 5-pin M16 connector for power and communication
- Dynamic data log storage

RATED FOR HARSH ENVIRONMENTS

- IP68, marine-rated (C5M equivalent)
- Rated for hot, cold, salt water and submersed conditions

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.

GRIDSCAN[®] 6200

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

HYDROGEN SENSOR SPECIFICATIONS

Measurement Range	Oil Phase: 25–5,000 ppm
Repeatability	±10% of reading or ±15 ppm, whichever is greater
Accuracy	±20% of reading or ±25 ppm, whichever is greater
Response Time	<60 minutes once H ₂ reaches the sensor
Cross-sensitivity	<2% to other gases (CO, CO ₂ , Hydrocarbons)

INSULATING LIQUID TEMPERATURE

Operating	–40°C to 105°C (–40°F to 221°F)
Survival	–40°C to 135°C (–40°F to 275°F)
Insulating Liquid Supported	Mineral oil, silicone, natural ester, synthetic ester

ENVIRONMENTAL

Operating Temperature	–40°C to 70°C (–40°F to 158°F)
Storage Temperature	–40°C to 85°C (–40°F to 185°F)
Ambient Humidity	0 to 100% RH, condensing
Oil Humidity	0 to 95% RH, non-condensing
Operating Altitude	Up to 3000 m (9843 ft.) above sea level
Operating Pressure at Sensor	0.9 to 2 bar absolute (13 to 30 PSIA)

MECHANICAL

Dimensions H x W x D	190.8 x 69.6 x 63.4 mm (7.5 x 2.7 x 2.5 in)
Weight	934 g (2.1 lb)

MOISTURE SENSOR SPECIFICATIONS

Measurement Range (Water Activity)	0 to 95% RS
Accuracy (a _w)	± 2% RS at <20% range ± 8% RS at 20–50% range
Repeatability	±2% RS

PRESSURE SENSOR SPECIFICATIONS

Measurement Range	0.014–2 bar absolute (0.2–30 psia)
Accuracy	± 2% FS
Repeatability	± 0.01% FS

TEMPERATURE SENSOR SPECIFICATIONS

Measurement Range	–40°C to 125°C (–40°F to 257°F)
Accuracy	±2.5°C (±4.5°F)
Repeatability	<2°C (<3.6°F)

OTHER SPECIFICATIONS

Standard Warranty	3 years
Calibration Interval	No periodic calibration required
Humidity and Corrosion Resistance	Class C5M marine equivalent; salt-water condensing (IEC 60068-2-11 & DIN EN ISO 12944)
Certifications	IEC 60068-2, IEC 60068-2-30, IEC 60529, EN55011, EN 62000-4, EN 61326-1, FCC Part 15, IEC 61010, refer to manual for specific clauses

GRIDSCAN 6200 DIMENSIONS

