

TRANSFORMER MONITORING

CONTINUOUS HYDROGEN MONITORING SOLUTIONS

H2scan Hydrogen Transformer Monitors

H2scan's hydrogen specific smart sensors are ideal for real-time, continuous, key gas measurements that can enhance asset reliability, increase plant uptime, reduce maintenance costs, and help maintain industry compliance.

Advantages

- Real-time, continuous hydrogen measurement
- Self-calibration
- No cross-sensitivity to other combustible gases
- High reliability, low life cycle cost
- Modbus and DNP3 communications

Model	GRIDSCAN® 5000 Series	GRIDSCAN 6000
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Model	H ₂ Measurement Range	Accuracy	Repeatability	Operating Temperature (Ambient)	Sensor Temperature Range
5000, 5010	Oil Phase: 25 - 5,000 ppm Gas Phase: 25 - 5,000 ppm in-oil equivalent	20%	10%	-40°C to 70°C (-40°F to 158°F)	Oil Phase: -40°C to 105°C (-40°F to 221°F) Gas Phase: -40°C to 80°C (-40°F to 176°F)
5000 HP	Oil Phase: 25 - 5,000 ppm Gas Phase: 25 - 5,000 ppm in-oil equivalent	10%	10%	-40°C to 70°C (-40°F to 158°F)	Oil Phase: -40°C to 105°C (-40°C to 221°F)
5015	Gas Phase: 250 - 50,000 ppm	20%	10%	-20°C to 70°C (-4°F to 158°F)	Gas Phase: -40°C to 80°C (-40°F to 176°F)
6000	Oil Phase: 25 - 5,000 ppm	20%	10%	-40°C to 70°C (-40°F to 158°F)	Oil Phase: -40°C to 125°C (-40°F to 257°F)

Hydrogen Sensor Accessories

				
HYVIEW® Modbus Display Displays H ₂ in percent or ppm locally for instant indication	GSAO-1 Modbus to 4-20 mA Converts GRIDSCAN Modbus signal to analog output	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	H2cloud™ Fleet Monitoring Platform Cloud-based platform for real-time access to transformer fleet and PQ data with secure data archiving

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