

GRIDSCAN® AO-2

Centralized transformer intelligence hub that turns sensor data into confident decisions



GRIDSCAN AO-2 centralized hydrogen monitoring, local alarms and other data trends into one rugged control hub. Designed to pair with the GRIDSCAN sensors system, it combines display, communications, analog I/O and relay outputs into a single platform that simplifies transformer monitoring while improving operational awareness.

FAST DEPLOYMENT



HOURS, NOT WEEKS

Deploys quickly using H2scan products and configures without immediate computer operation.

NO MEASUREMENT LOSS



PRESERVE HYDROGEN DATA

Maintains the full data accuracy of the GRIDSCAN hydrogen measurement, while displaying temperature, load, and operating conditions in one location.

SYSTEM INTEGRATION



SCADA & IoT READY

Supports Modbus RTU, DNPS, analog 4-20 mA and replay outputs for seamless integration.

WORKS WITH YOUR SETUP



PLUG AND PLAY SETUP

Automatically configures compatible GRIDSCAN sensors with no computer required.

BUILT FOR THE FIELD



RUGGED AND RELIABLE

Designed for harsh utility environments and outdoor installations.

LOWER OPEX



FLEET-WIDE SCALABILITY

Reduces installation complexity and ownership costs across transformer fleets.



POWER & COMMUNICATION

- 100-240 VAC power input
- Auxiliary 22-26 VDC output
- Modbus RTU, DNP3, Analog Inputs/Outputs, Relay Outputs

RATED FOR HARSH ENVIRONMENTS

- IP66 enclosure
- Rated for hot, cold, salt water and submersible conditions
- Rugged die-cast aluminium housing

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[®] AO-2

H2scan delivers situational intelligence for transformer fleets. GRIDSCAN AO-2 connects hydrogen sensing with transformer operating data, giving utilities a complete view of asset condition through one integrated control platform.

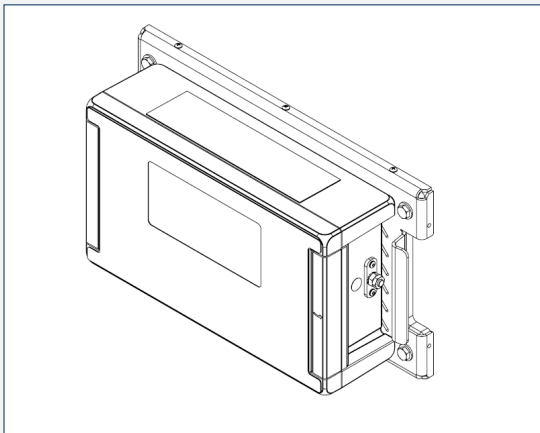
ENVIRONMENTAL

Ingress Protection	IP66 (IEC 60529) with provided cable gland fittings and plugs
Operating Temperature (Ambient)	-40°C to 70°C (-40°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	0 to 100% RH, condensing

MECHANICAL

Dimensions (H x W x D)	178.3 x 302.7 x 92.5 mm (7.0 x 11.9 x 3.6 in)
Weight	3.4 kg (7.5 lbs)

GRIDSCAN AO-2 MAGNETIC MOUNTING PLATE



ELECTRICAL

Power Input	100-240 VAC
Auxiliary Power Output	22-26 VDC
Power Consumption	5 W (no external connection), up to 15 W (with 2 sensors connected)

PHYSICAL

Protocols (RS-485)	Modbus and DNP3
Relay Outputs (4 ea.)	Form C, 3 A at 120 VAC/110 VDC
Analog Inputs (2 ea.)	4 - 20 mA, 1 - 5 VDC or 0 - 5 VDC
Analog Outputs (4 ea.)	4 - 20 mA, 1 - 5 VDC or 0.1 - 5 VDC

OTHER

Standard	3 years
Weight	Conducted & Radiated Emissions FCC CFR Title 47, Part 15 Subpart B and ANSI C63.4:2014; Class A Radiated Emissions. Electrical Safety UL/CSA C22 No./ANSI/ISA-61010 Ed. 3-2012

GRIDSCAN AO-2 DIMENSIONS

