

A02™ CONTROL HUB



Comprehensive Transformer Monitoring

Imagine a world where transformer monitoring is effortless, reliable and delivers real value. No more frequent sensor replacements, tedious consumables or nagging uncertainty about your monitoring system reliability. *With H2scan, that world is now a reality.*

Robust A02™ Control Hub Enhances H2scan's Patented Hydrogen Sensor Offerings

Maximize local and remote transformer asset condition visibility with the A02™ Control Hub from H2scan. Designed to pair seamlessly with H2scan's GRIDSCAN™ 5000 or GRIDSCAN™ 6000 Transformer Gas sensors, the A02 Controller adds to an already complete transformer monitoring system.

The A02 provides local display functionality, supports external sensors such as load current and top oil temperature and also adds local alarming relay contacts. This helps operators correlate gassing with measurements that include load and transformer temperature.

The A02 Control Hub delivers unparalleled ease of use and reliability, without the need to connect a computer for configuration.

Pair the A02 Control Hub with any H2scan GRIDSCAN monitor to combine operating parameters with the transformer's "gassing" state, enhancing your actionable insight without increasing O&M or complexity.

- Combines display, communications, alarming and analog I/O for the widest range of applications
- Out-of-the-box solution autodetects H2scan GRIDSCAN 5000 or GRIDSCAN 6000 sensors immediately with no configuration required
- Low cost of ownership supports fleetwide coverage for transmission and distribution grids, increasing safety, smarter deployment of capital, reduction in SAIDI and all the consequences associated with equipment failure
- Displays hydrogen gassing trends
- Magnet mount for rapid and secure installation which eliminates the need for framing construction

Transform Your Monitoring Program with a Complete Solution

Short Time to Value: Hours, not weeks or months

All-in-One Integration: Shows alarms, transformer measurements and data trends on local display

Broad Connectivity: IoT/SCADA/ADMS ready with Modbus RTU (DNP3 coming soon)

Cost-Effective: Enables complete coverage to protect your transformer

Rugged and Reliable: Weatherproof, rugged enclosure and robust design for harsh substation environments

Easy Installation: "Plug-and-play" connectivity with H2scan sensors. Configures without a computer for immediate operation and flexible deployment



Operating Conditions

Environmental	
Ingress Protection	IP66
Operating Temperature (Ambient)	-40° C to +70° C
Storage Temperature	-40° C to +85° C
Humidity	0 to 100% RH, condensing
Mechanical	
Dimensions H x W x D	180 mm x 302.7 mm x 91 mm
Weight	3.4 kg (7.5 lbs)
Electrical	
Power Input	100 - 264 VAC
Auxiliary Power Output	24 VDC, 500 mA
Power Consumption	5 W (no external connection), up to 25 W (with 2 sensors connected)
Communication	
Protocols (RS-485)	Modbus RTU (DNP3.0 coming soon)
Relay Outputs (4 ea.)	Form C - 1 A @ 250 VAC or 3 A @30 VDC
Analog Inputs (2 ea.)	4 - 20 mA, 0 - 5 VDC
Analog Outputs (4 ea.)	4 - 20 mA, 0 - 5 VDC
Other	
Standard Warranty	3 years
Certifications	FCC CFR Title 47, Part 15; IEC 60068-12, IEC 60068-2-30

Specifications subject to change without notice
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