VENERGY GROUP

VCX-O2 Oxygen Analyzer System

The VCX-O2 Oxygen Analyzer System is an oxygen analyzer system designed for use with the Fireye NXCESO2 In-situ probe. The electronics unit is based on a compact 7" HMI touchscreen & PLC combination, for use with the industry proven, industrial grade zirconium dioxide, dual cell sensor probe from Fireye Inc.

Designed as a standalone system, the VCX-O2 brings the safety of a low oxygen shutdown to boilers wwith single-point positioning systems, as well as an economical O2 analyzer alternative for parallel positioning systems such as the Hays Cleveland UPAC and Cleaver-Brooks Hawk.

The VCX-O2 provides power and communication to the oxygen probe thru a 4-wire cable connection. While the Oxygen probe is designed to mount in the stack, the VCX-O2 is designed for remoted mounting close to the boiler and or existing control panel.

VCX-O2 Analyzer Electronics

APPLICATIONS

O2-Trim - the 4-20mAdc output signal can be used to connect to a parallel positioning system for O2 trim use.

Low Oxygen Shutdown - Programable relay outputs are provided with Form C contacts that can be connected to a burner management system for low oxygen shutdown when required.

FEATURES

- 7" Touchscreen interface
- Two auxillary 4-20mAdc signal inputs, programable for use with multiple sensor types.
- 4-20mAdc, scalable output of oxygen level retransmission.
- 4 isolated, programable relay outputs to monitor oxygen, stack temperature, or auxilary inputs signals.
- Alarm indicator lamp, silence button, and buzzer for use with the programable alarm relays.
- Digital input for initiating O2 sensor calibration cycle.
- Modbus RTU (RS232 or RS485) & Modbus TCP outputs.
- Unit built to UL508A standards.
- IP66/NEMA4X, UL508A Rated enclosure.

Fireye NXCESO2 Oxygen Probe

GSA Schedule Contract GS21F0548A

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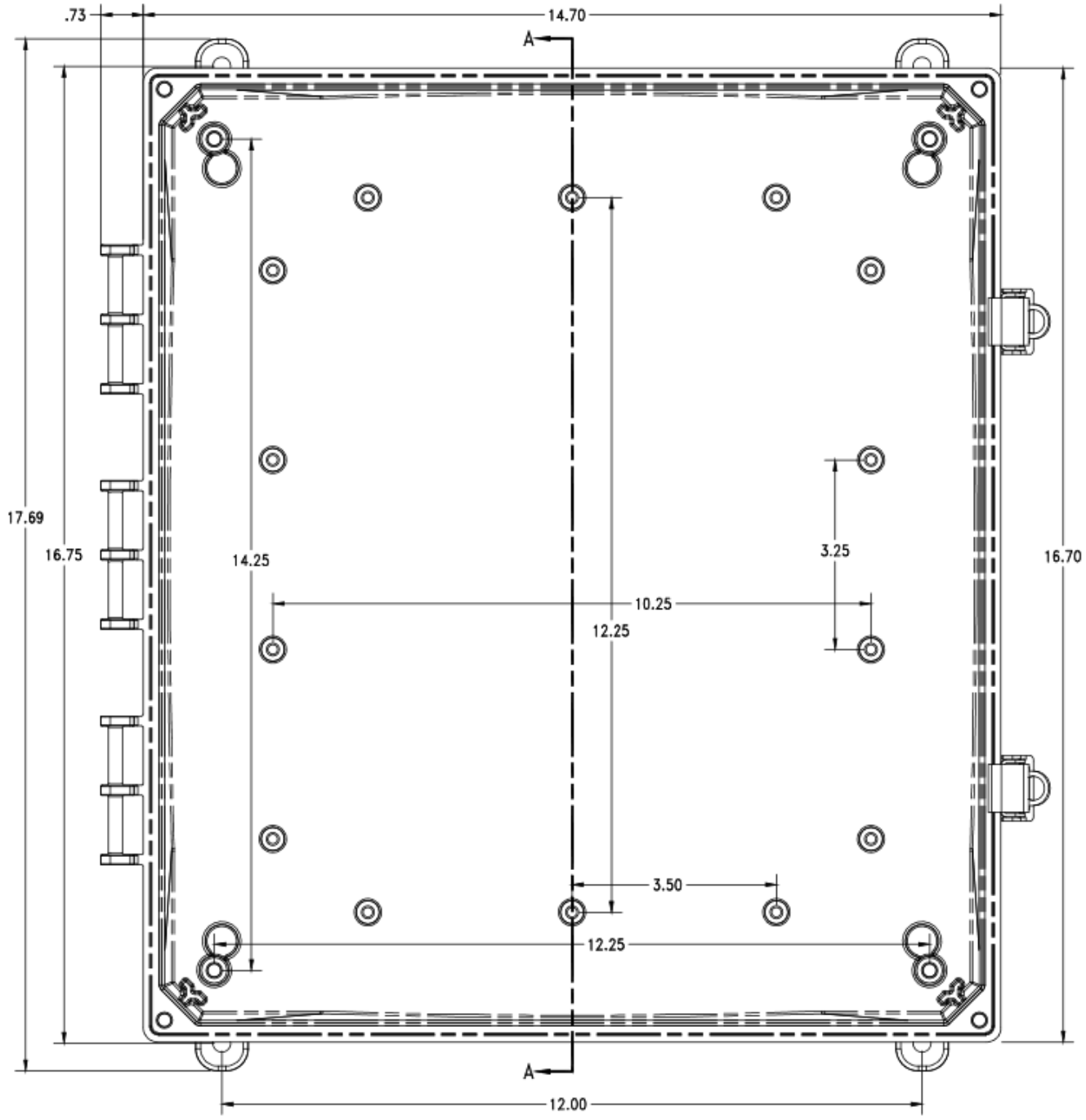
ENCLOSURE DIMENSIONS



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