

PRODUCT DATA SHEET

Remote Calibration Unit

For maximum confidence in the accuracy and stability of WDG oxygen and combustibles analyzers

The Remote Calibration Unit gives maximum confidence in the accuracy and stability of all WDG combustion analyzers, by simplifying the calibration/verification process. Unattended automatic or manual gas sequence calibration is provided with hard-piped bottle-to-analyzer connections to minimize time and labor costs.

The Remote Calibration Unit is fully weatherproof, corrosion-resistant, 316 SS tubing with instrumentation fittings for leak resistance, long life, and minimal maintenance.

The unit is certified for use in Class I, Div 2 hazardous areas without need for purge gas.



KEY BENEFITS

- Automatic, unattended or manual sequence calibrations for highest measurement accuracy in process or SIS applications
- All-stainless-steel construction for system integrity and leak prevention, NEMA 4X
- Instrument air pass-through and control for disabling aspirator on calibration sequence
- Compatible with existing older AMETEK Remote Calibration Unit wiring



APPLICATIONS

- Automatic calibration of oxygen (O₂) analyzers



KEY MARKETS

- Refinery
- Power generation
- Petrochemicals

PERFORMANCE SPECIFICATIONS

Instrument air inlet pressure	20 to 60 psig (239 to 515 kPa)
Aspirator air outlet pressure	5 psig (138 kPa)
Instrument air flow rate	40 SCFH (9.4-19 L/min) typical
Calibration gas inlet pressure	50 psig (446 kPa) maximum
Calibration port outlet pressure	Factory-set to 10 psig (170 kPa)
Calibration gas flow rate	1.5-6 SCFH (0.7-2.8 L/min)
Ambient temperature range	-18 to 60°C (0 to 140°F)
Ambient humidity range	0 to 90%, non-condensing
Enclosure	NEMA 4X (IP 65)
IEC installation category	Category II
EMC compliance	EMC Directive 2004/108/EC Immunity: EN 50082-2:1995 EN 61000-6-2:2001 EN 61326:1997 Emissions: EN 55011:1998 Class A, ISM equipment Safety compliance: UL 508 ed17 CSA/CAN/C22.2 No. 142-M1987 Hazloc ANSI/ISA 12.12.01-2007 Non-incendive equipment for use in Class I and II, Div 2, and Class III, Div 1 and 2 hazardous (classified) locations CSA C22.2 No 213-N1987 Non-incendive electrical equipment for use in Class 1, Division 2 hazardous locations EN 60079-0, EN 60079-15 Ex II 3 G Ex nA IIC T4

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