

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

SALES, SERVICE & MANUFACTURING

USA - Pennsylvania

150 Freeport Road
Pittsburgh PA 15238
Tel: +1 412 828 9040
Fax: +1 412 826 0399

USA - Delaware

455 Corporate Blvd.
Newark DE 19702
Tel: +1 302 456 4400
Fax: +1 302 456 4444

Canada - Alberta

2876 Sunridge Way NE
Calgary AB T1Y 7H9
Tel: +1 403 235 8400
Fax: +1 403 248 3550

WORLDWIDE SALES AND SERVICE LOCATIONS

USA

Tel: +1 713 466 4900
Fax: +1 713 849 1924

Brazil

Tel: +55 19 2107 4100

France

Tel: +33 1 30 68 89 20
Fax: +33 1 30 68 89 99

Germany

Tel: +49 2159 9136 0
Fax: +49 2159 9136 39

India

Tel: +91 80 6782 3200
Fax: +91 80 6780 3232

Singapore

Tel: +65 6484 2388
Fax: +65 6481 6588

China

Beijing
Tel: +86 10 8526 2111
Fax: +86 10 8526 2141
Chengdu
Tel: +86 28 8675 8111
Fax: +86 28 8675 8141
Shanghai
Tel: +86 21 5868 5111
Fax: +86 21 5866 0969



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