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

To find out more or request a quote visit our website ametekpi.com
## PERFORMANCE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Instrument air inlet pressure</td>
<td>20 to 60 psig (239 to 515 kPa)</td>
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<tr>
<td>Aspirator air outlet pressure</td>
<td>5 psig (138 kPa)</td>
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<tr>
<td>Instrument air flow rate</td>
<td>40 SCFH (9.4-19 L/min) typical</td>
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<tr>
<td>Calibration gas inlet pressure</td>
<td>50 psig (446 kPa) maximum</td>
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<td>Calibration port outlet pressure</td>
<td>Factory-set to 10 psig (170 kPa)</td>
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<tr>
<td>Calibration gas flow rate</td>
<td>1.5-6 SCFH (0.7-2.8 L/min)</td>
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<tr>
<td>Ambient temperature range</td>
<td>-18 to 60°C (0 to 140°F)</td>
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<tr>
<td>Ambient humidity range</td>
<td>0 to 90%, non-condensing</td>
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<tr>
<td>Enclosure</td>
<td>NEMA 4X (IP 65)</td>
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<tr>
<td>IEC installation category</td>
<td>Category II</td>
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<tr>
<td>EMC compliance</td>
<td>EMC Directive 2004/108/EC</td>
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<td>Immunity:</td>
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<td></td>
<td>EN 50082-2:1995</td>
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<td>EN 61000-6-2:2001</td>
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<td>EN 61326:1997</td>
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<td>Emissions:</td>
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<td>EN 55011:1998 Class A, ISM equipment</td>
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<td>Safety compliance:</td>
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<td>UL 508 ed17</td>
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<td>CSA/CAN/C22.2 No. 142-M1987</td>
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<td>Hazloc</td>
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<td>ANSI/ISA 12.1.201-2007</td>
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<td>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</td>
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<tr>
<td></td>
<td>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</td>
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</tbody>
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