

Remote Calibration Unit (RCU)

Minimize labor costs with automatic calibration capability

The AMETEK Thermox Remote Calibration Unit gives maximum confidence in the accuracy and stability of all WDG-IV/C/M, HP11/C/M, WDG-Insitu/2000 and WDG-Insitu/IQ analyzers. It allows unattended, automatic calibration to minimize labor costs. It is fully weatherproof and corrosion-resistant for long life and minimal maintenance. Class I, Div 2 certification is available for use in hazardous areas.



Features and Benefits

- ▶ Automatic, unattended calibrations for highest measurement accuracy
- ▶ Stainless steel enclosure
- ▶ Oxygen span calibration uses instrument air. Alternative cal gas input option allows for the use of certified calibration gas.
- ▶ Convenient air supply for WDG-IV aspirator
- ▶ Compatible with all new and existing WDG-IV/C/M, HP11/C/M, WDG-Insitu/IQ and WDG-Insitu/2000 analyzers
- ▶ Easily replaces Remote Calibration Units currently in use
- ▶ Hazardous area option (Class I, Div 2)

Remote Calibration Unit (RCU)

Performance Specifications

Aspirator inlet pressure: 20 to 60 psig (239 to 717 kPa)

Aspirator outlet pressure: 34 psig (138 kPa) maximum

Aspirator flow rate: 10 SCFH (20 liters/min) minimum

Calibration gas inlet pressure: 50 psig (598 kPa) maximum.

Calibration port outlet pressure: Factory set to 10 psig (120 kPa)

Calibration gas flow rate: 1.5 SCFH (0.7 liters/min)

Nominal solenoid valve coil voltage: 12 VDC

Ambient temperature range: 0 to 140 °F (-18 to 60 °C)

Ambient humidity range: 0 to 90%, non-condensing

Maximum altitude: 6567 feet (2000 meters)

Enclosure: NEMA 4X (IP 65)

IEC installation category: Category II

Pollution degree: Degree 2

Compliance

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

Compliance only applies when the RCU is used with the following Thermax products (IQ and Series 2000):

WDG-IV

WDG-IVC

WDG-IVCM

WDG-HPII

WDG-HPIIC

WDG-Insitu

THE
R
M
O
X[®]

AMETEK[®]

PROCESS INSTRUMENTS

150 Freeport Road, Pittsburgh, PA 15238
Ph. +1-412-828-9040, Fax +1-412-826-0399
www.ametekpi.com



© 2011, by AMETEK, Inc.
All rights reserved. Printed in the U.S.A.
F-0247 Rev 2 (0311)

One of a family of innovative process analyzer solutions from AMETEK Process Instruments.
Specifications subject to change without notice.

SALES AND MANUFACTURING:

USA - Delaware

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

USA - Oklahoma

2001 N. Indianwood Ave., Broken Arrow OK 74012 • Tel: +1-918-250-7200, Fax: +1-918-459-0165

CANADA - Alberta

2876 Sunridge Way N.E., Calgary, AB T1Y 7H9 • Tel: +1-403-235-8400, Fax: +1-403-248-3550

WORLDWIDE SALES AND SERVICE LOCATIONS:

USA - Texas

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

CHINA

Beijing / Tel: 86 10 8526 2111, Fax: 86 10 8526 2141

Chengdu / Tel: 86 28 8675 8111, Fax: 86 28 8675 8141

Guangzhou / Tel: 86 20 8363 4768, Fax: 86 20 8363 3701

Shanghai / Tel: 86 21 5868 5111, Fax: 86 21 5866 0969

FRANCE

Tel: 33 1 30 68 89 20, Fax: 33 1 30 68 89 29

GERMANY

Tel: 49 21 59 91 36 0, Fax: 49 21 59 91 3639

INDIA

Tel: 91 80 6782 3200, Fax: 91 80 6782 3232

SINGAPORE

Tel: 65 6484 2388, Fax: 65 6481 6588