



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx UL 09.0012U issue No.:1

Certificate history:  
Issue No. 1 (2013-1-3)  
Issue No. 0 (2009-6-10)

Status: **Current**

Date of Issue: **2013-01-03** Page 1 of 4

Applicant: **Honeywell Analytics Inc.**  
405 Barclay Blvd.  
Lincolnshire, IL 60069  
**United States of America**

Electrical Apparatus: **MPD Sensor**  
*Optional accessory:*

Type of Protection: **Flameproof "d", Dust :tb"**

Marking: Ex d IIB + H2 Gb IP66  
Ex tb IIIC Db IP66

*Approved for issue on behalf of the IECEx  
Certification Body:*

Paul T. Kelly

*Position:*

Principal Engineer, Global Hazardous Locations

*Signature:  
(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**UL LLC**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Manufacturer: **Honeywell Analytics Inc.**  
405 Barclay Blvd.  
Lincolnshire, IL 60069  
**United States of America**

Additional Manufacturing location  
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

US/UL/ExTR09.0013/00

US/UL/ExTR09.0013/01

Quality Assessment Report:

GB/BAS/QAR08.0002/03



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## Schedule

### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The MPD (Multi Purpose Detector) is a serviceable explosion proof housing, offered with either Catalytic Bead or Infrared sensors for the measurement of flammable and toxic gasses. The assembly is constructed of 316 stainless steel and is supplied with M25 threads for connection to the XNX Universal Gas Transmitter manufactured by Honeywell Analytics, or a similar device approved for the Hazardous Location. The MPD can also be remotely mounted to a transmitter in a non-hazardous location.

Nomenclature for type MPD Adapter

<u>MPD</u>	<u>A</u>	<u>M</u>	<u>IC1</u>
I	II	III	IV

I - Series

MPD - Multipurpose Gas Detector

II - Agency/Approval

A - ATEX

III - Thread Type

M - Metric

IV - Sensor

CBI - Catalytic Bead Methane 0-100% LEL

IV1 - Methane 0-5% Vol and 0-100% LEL

IF1 - Propane 0-100% LEL

IC1 - Carbon Dioxide 0-5% Vol

### Schedule of Limitations:

- The MPD Adapter M25 must be installed with the face of the sintered metal positioned downward to reduce the risk of impact on the sintered metal.

**CONDITIONS OF CERTIFICATION: NO**



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Update to IEC 60079-0, Sixth Edition and evaluate for Type "tb" protection