



**QPS Evaluation Services Inc**  
 Testing, Certification and Field Evaluation Body  
 Accredited in Canada, the USA, and Internationally

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| File<br><b>LR1421</b> |
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**CERTIFICATE OF COMPLIANCE**  
 (ISO TYPE 3 CERTIFICATION SYSTEM)

|                                |   |
|--------------------------------|---|
| Issued to                      | OTIS Instruments Inc.   |
| Address                        | 301 S. Texas Avenue<br>Bryan, Texas<br>77802 USA  |
| Project Number                 | LR1421-5  |
| Product                        | Toxic Gas Detection Instruments   |
| Model Number                   | OI-5900, OI-6000 and OI-6900<br>See Annex (2 pages) for complete list of all variations of models   |
| Ratings/Markings               | OI-5900 and OI-6000; rated 12-35VDC at 1Amp max, Tamb -40°C to +54°C<br>OI-6900; rated 3.6VDC Nominal Battery powered only, Tamb -40°C to +54°C<br>Class I, Division 1, Group C and D; T6:<br>Ex db IIB T6 Gb<br>Class I, Zone 1, AEx db IIB T6 Gb                              |
| Applicable Standards           | CSA C22.2 No. 0.4-17, CSA C22.2 No. 142-M1987 (R2014), CSA C22.2 No. 30-M1986 (R2016), CAN/CSA-C22.2 No. E60079-0:15, CAN/CSA-C22.2 No. E60079-1:16, UL 508 18 <sup>th</sup> edition , FM 3600:2011, FM 3615:2006, UL 60079-0 7 <sup>th</sup> Ed, UL 60079-1 7 <sup>th</sup> Ed |
| Factory/Manufacturing Location | Same as Applicant   |

**Statement of Compliance:** The products identified in this Certificate and described in the Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standards. As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.



Issued By: **Dave Adams, P. Eng.**  
 Manager, Hazardous Locations [Ex Equipment] Department

Signature: 

Date: June 8, 2018



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**ANNEX:**

OI-6000-[Sensor Type]-[Gas Type]-[Radio Option]-[Relay Option]-[Enclosure]

| <b>Sensor Type</b>      | <b>Description</b>                  |
|-------------------------|-------------------------------------|
| EC                      | Electrochemical                     |
| IR                      | Infrared                            |
| PID                     | Photo Ionization Detector           |
| <b>Gas Type</b>         | <b>Description</b>                  |
| CL2                     | Chlorine                            |
| CLO2                    | Chlorine Dioxide                    |
| CO                      | Carbon Monoxide                     |
| CO2                     | Carbon Dioxide                      |
| H2S                     | Hydrogen Sulphide                   |
| H2S2K                   | Hydrogen Sulphide (0-2000 PPM)      |
| HCL                     | Hydrogen Chloride                   |
| HCN                     | Hydrogen Cyanide                    |
| HF                      | Hydrogen Fluoride                   |
| NH3                     | Ammonia                             |
| NH3300                  | Ammonia (0-300 PPM)                 |
| NH3A                    | Ammonia (0-1000 PPM)                |
| NO2                     | Nitrogen Dioxide                    |
| O2                      | Oxygen                              |
| PH3                     | Phosphine                           |
| SO2                     | Sulfur Dioxide                      |
| VOC                     | Volatile Organic Compounds          |
| <b>Radio Option</b>     | <b>Description</b>                  |
| X                       | No Radio Installed                  |
| 9                       | 900 MHz Radio                       |
| 2                       | 2.4 GHz Radio                       |
| <b>Relay Option</b>     | <b>Description</b>                  |
| X                       | No Relays Installed                 |
| R                       | 2 Dry Contact Relays                |
| <b>Enclosure Option</b> | <b>Description</b>                  |
| O                       | Explosion Proof Otis Blue Enclosure |



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OI-6900-[Gas Type]-[Radio Option]-[Enclosure]-2B

| <b>Gas Type</b>         | <b>Description</b>                  |
|-------------------------|-------------------------------------|
| CL2                     | Chlorine                            |
| CLO2                    | Chlorine Dioxide                    |
| CO                      | Carbon Monoxide                     |
| CO2                     | Carbon Dioxide                      |
| H2S                     | Hydrogen Sulphide                   |
| H2S2K                   | Hydrogen Sulphide (0-2000 PPM)      |
| HCL                     | Hydrogen Chloride                   |
| HCN                     | Hydrogen Cyanide                    |
| HF                      | Hydrogen Fluoride                   |
| NH3                     | Ammonia                             |
| NH3300                  | Ammonia (0-300 PPM)                 |
| NH3A                    | Ammonia (0-1000 PPM)                |
| NO2                     | Nitrogen Dioxide                    |
| O2                      | Oxygen                              |
| PH3                     | Phosphine                           |
| SO2                     | Sulfur Dioxide                      |
| VOC                     | Volatile Organic Compounds          |
| <b>Radio Option</b>     | <b>Description</b>                  |
| 9                       | 900 MHz Radio                       |
| 2                       | 2.4 GHz Radio                       |
| <b>Enclosure Option</b> | <b>Description</b>                  |
| O                       | Explosion Proof Otis Blue Enclosure |

OI-5900-[Radio Option]-[Accessory Option]-[Enclosure]

| <b>Radio Option</b>     | <b>Description</b>                  |
|-------------------------|-------------------------------------|
| 9                       | 900 MHz Radio                       |
| 2                       | 2.4 GHz Radio                       |
| <b>Accessory Option</b> | <b>Description</b>                  |
| X                       | No Accessories                      |
| <b>Enclosure Option</b> | <b>Description</b>                  |
| O                       | Explosion Proof Otis Blue Enclosure |