



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

Page 1 of 2

File  
**LR1524**

**CERTIFICATE OF COMPLIANCE**  
(ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	CI Systems Ltd.
Address	6 Hamechkar St. Migdal HaEmek 2306990 Israel
Project Number	LR1524-1
Product	Gas Clouds Detector, Models MetCam & MetCam WiFi
Model Number	A1601xxabcx Series (a=0,1 b=2,3 c=0,4) For a complete model nomenclature, see Report no. LR1524-1
Ratings	24 VDC (16 VDC min. / 32 VDC max.) SELV OR PELV; 22 Watt max.
Markings	Model MetCam marking: Class I, Division 1, Groups B,C,D T6 Ex db ia IIB+H2 T5 Gb IP54 Class I, Zone 1, AEx db ia IIB+H2 T5 Gb IP54 Tamb= -40 °C to +60 °C; Type 4X; IP66 or Model MetCam WiFi marking: Class I, Division 1, Groups B,C,D T6 Ex db ia mb IIB+H2 T5 Gb IP54 Class I, Zone 1, AEx db ia mb IIB+H2 T5 Gb IP54 Tamb= -40 °C to +60 °C; Type 4X; IP66
Applicable Standards	CSA C22.2 No. 60079-0:2015 CSA C22.2 No. 60079-1: 2016 CSA C22.2 No. 60079-11: 2014 CSA C22.2 No. 60079-18: 2018 CSA C22.2 No. 30-1986 (R2016) CSA C22.2 No. 60529:16 UL 60079-0:2013 UL 60079-1:2015 UL 60079-11:2013 UL 60079-18: 2015 UL 1203 5 <sup>th</sup> Ed. (2015) IEC/ANSI 60529-2004
Factory/Manufacturing Location	Same as Applicant

**Statement of Compliance:** The product(s) 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 standard(s). 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: February 22, 2021



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

Page 2 of 2

<b>File</b>
<b>LR1524</b>

**General Requirements:**

1. No modifications may be made to the flamepaths.
2. Models MetCam and MetCam WiFi must be either connected to a SELV or PELV system, or directly connected to an apparatus compliant with IEC 60950 series, IEC 610101-1, or equivalent.
3. The cable gland must be properly selected to suit the final application of the equipment and/or to maintain the protection method marked thereon. They must provide adequate ingress protection of IP54 /and/or Type 4X as a minimum, or an IP66 when it is necessary such for the final application of the equipment.
4. Only enclosure fasteners supplied by CI Systems Ltd. (grade 5 steel screws; tensile strength equal to 110,000 psi or better) shall be applied.
5. Tightening torque values are defined for the following:
  - set of hexagonal head screws (21 screws in total) in the front plate flange joint: 3.4 Nm (30 lb-in);
  - blanking element / stopping plug by International Metal Engineering – Singapore, Model 89T20M; Ex d IIC; IECEx SIR 07.0082X (if used): 55 Nm (40.6 lb-ft).These torque values shall be checked during the equipment installation, as well as over the regular maintenance/service periods, and reapplied if necessary.
6. Lens guards must always be applied and they must be properly seated.
7. Only model of antenna and antenna coupler supplied by Ci Systems Ltd., as per manufacturer's documentation, shall be used.
8. The Gas Cloud Detector is not suitable for use with Acetic Acid or Methanol without additional testing of the Loctite® EA E-40EXP epoxy material in this final product and as part of the flameproof protection of this product.