VQ600 Series & IR600 Series

EU Declaration of Conformity EUD-0067

PRODUCT SERIES:	**VQ600 Series**	**IR600 Series**
PRODUCT TYPE:	Gas Sensing Heads	
PRODUCT DESCRIPTION:	The VQ600 Series gas sensing heads are fully certified, flameproof sensor heads containing a low power pellistor pair optimised for the detection of combustible gases or % volume gases in thermal conductivity mode. An alternative version employing the same flameproof sensor head, but utilising infrared technology, is available designated IR600 Series.	
DECLARATION:	It is declared under our sole responsibility that the above products conform to the essential Health and Safety Requirements of the ATEX Directive 94/9/EC and are certified as a component under the following EC Type-Examination Certificates	
EC TYPE-EXAMINATION CERTIFICATES NOS.	**BAS01ATEX2110X**	
ISSUED BY:	Sira Test & Certification Service (Notified Body Number 0518) Rake Lane Eccleston Chester CH4 9JN UK	
HAVE BEEN ASSESSED TO THE FOLLOWING HARMONIZED STANDARDS:	**EN 60079-0:2012** Electrical apparatus for explosive gas atmospheres – General requirements. **EN 60079-1:2014** Electrical apparatus for explosive gas atmospheres Flameproof enclosures “d”	
PRODUCT MARKING:	**II 2G Ex db IIC T5 Gb** **Ta -20˚C to +60˚C**	

Richard Lane
Quality and Operations Manager

VQ600 Series & IR600 Series

INSTRUCTIONS SPECIFIC TO HAZARDOUS AREA INSTALLATIONS

(Ref. EU ATEX Directive 94/9/EC, Annex II, 1.0.6)

1. The head is classified as flameproof equipment and is marked:

BAS01ATEX2110X
II 2G Ex d IIC T5 Gb
Ta = -20°C to +60°C
2W / 5V MAX

The head should only be used within the limits imposed by this certification and by these conditions of use.

2. The head may be used in a hazardous area without further mechanical protection. However, the cable requires mechanical protection and must be terminated in a suitable enclosure.

3. The head must be efficiently earthed (grounded). This may be achieved by mounting it into an appropriate earthed metal junction box or into a non-metallic junction box fitted with an earth continuity plate used in accordance with the box manufacturer's instructions. There are no internal connections to the sensing head body.

4. In the event that the head becomes embedded in a junction box by over-tightening or corrosion, it may be released by the use of a spanner or wrench on the two flat surfaces on the sides of the body.

5. There are no user serviceable parts inside the body of the sensing head, and no attempt should be made to open the body for any purpose. The unit is non-repairable.

6. The head has not been assessed as a safety device (EHSR 1.5).

7. When installed in outdoor locations where rain or spray could interfere with the safe working of the head, or in indoor locations where water jets, sprays, or hoses are used routinely for cleaning purposes, the head should be fitted with the Weather Cap that is available as an accessory.

8. The end-user/installer should be aware that the certification of the head relies in its construction on the use of the following materials, which are suitable for most common applications:

Enclosure	Stainless Steel
Sinter	Stainless Steel
Bushing	Epoxy resin

In accordance with the Note in EN60079-0:2006 Clause 6.1(a), the end-user/installer shall inform the manufacturer of any adverse conditions that the head may encounter. This is to ensure that the head is not subject to conditions that may cause degradation of these materials.