

# EU Declaration of Conformity

We, **Eaton Electric Limited**, Great Marlings, Luton, Bedfordshire, United Kingdom. LU2 8DL

declare under our sole responsibility that the **Hitech Instruments K1650 Gas Analysers** listed below, to which this declaration relates, conform with the requirements of the Directives below by compliance with the standards listed.

**EMC Directive - Council Directive 2014/30/EU** relating to Electromagnetic Compatibility.

- a. EN 61326-1:2013            Class A equipment. Table 2 – Industrial locations

**Low Voltage Directive - Council Directive 2014/35/EU** relating to Product Safety.

- b. EN 61010-1:2010

Compliance with the Low Voltage Directive (LVD) is not required for products covered by the ATEX Directive, however it is included in this declaration as the LVD may apply to these products if they are used in situations not covered by the ATEX Directive.

**ATEX Directive - Council Directive 2014/34/EU** relating to equipment and protective systems intended for use in potentially explosive atmospheres.





- d. EN 60079-0:2012+A11:2013†  
e. EN 60079-1:2007  
f. EN 60079-1:2014†  
g. EN 60079-11:2012†  
h. EN 60079-31:2009

† Where products were initially assessed for compliance with the Essential Health and Safety Requirements of the Directive using earlier harmonised standards, a subsequent review has determined that compliance is unaffected by the current harmonised standard(s) listed above.

## Products covered by this declaration:

Product	Description	EMC <sup>1</sup> Standards	LVD <sup>1</sup> Standards	Year LVD Applied	ATEX <sup>1</sup> Standards	ATEX <sup>2</sup> Marking	Cat1/Cat2 ATEX Cert. No.	Cat3 ATEX Cert. No.
802-9326	K1650 Hydrogen Purity and Purge Gas Analyser with remote sensor unit (fitted with 1/4" Nylon piping). Fitted with MTL766P zener barrier providing intrinsically safe connection to the Remote Sensor Unit (see notes 5 & 6).	a	b	2001	d, e, f, h	3	See Notes 5 & 6	None
802-9336	K1650 Hydrogen Purity and Purge Gas Analyser with remote sensor unit (fitted with 1/8" Stainless Steel piping). Fitted with MTL766P zener barrier providing intrinsically safe connection to the Remote Sensor Unit (see notes 5 & 6).	a	B	2001	d, e, f, h	3	See Notes 5 & 6	None
802-9393	K1650 Hydrogen Purity and Purge Gas Analyser in Ex d enclosure (with remote keypad) with remote sensor unit (fitted with 1/4" Nylon piping). Fitted with MTL766P zener barrier providing intrinsically safe connection to the Remote Sensor Unit (see note 5 & 6). Fitted with 3 x MTL758 zener barriers providing intrinsically safe connections to the Remote Keypad (see note 7).	a	b	2001	d, e, f, g, h	3, 4	See Notes 5, 6 & 7	None

### Notes:

- 1 Entries in this column may be either letter notation (a,b,c etc..) indicating which standards from page 1 apply, or N/A if the directive does not apply
- 2 Entries in this column refer to notes below indicating ATEX markings present on products, or N/A if the directive does not apply
- 3 ATEX marking  
MTL766Pac & MTL758 zener barriers   
Remote Sensor Unit Ex d gas sensor   
Ex d enclosure 
- 4 ATEX marking  
Ex d enclosure 
- 5 MTL766P intrinsically safe zener barrier with certificate BAS01ATX7202. The Remote Sensor Unit is assessed as simple apparatus under EN60079-11 for the purposes of connection to the zener barrier.
- 6 The remote sensor unit contains an Ex d certified Groveley type GD210 gas detector (certificate ITS11ATEX17421X).
- 7 The K1650 is fitted inside an Ex d enclosure type GUBHC5-05144 (certificate TRAC12ATEX0013X) connected to a remote keypad. Three MTL758 (certificate BAS01ATEX7202) zener barriers are fitted alongside the K1650 which provide intrinsically safe connections to the switches in the remote keypad.

### Notified Bodies responsible for issuing Cat 1 or 2 ATEX Certificates:

- 0598 SGS Fimko Oy, Helsinki, 00211, Finland
- 0359 Intertek, Leatherhead, KT22 7SB, United Kingdom
- 0518 TRAC, Skelmersdale, WN8 9PN, United Kingdom

### Notified Body responsible for ATEX QA regime:

- 0598 SGS Fimko Oy, Helsinki, 00211, Finland
- 0359 Intertek, Leatherhead, KT22 7SB, United Kingdom
- 0518 TRAC, Skelmersdale, WN8 9PN, United Kingdom