


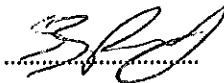
ATEX

II 3 G

Certificate

- 1
- 2 DOCUMENT NO. MTL12ATEXWLN2500X
- 3 European Community Declaration of Conformity for Group II Category 3 G equipment in accordance with Directive 94/9/EC.
- 4 Declaration relating to: WLN-2500ES-EU Wireless Ethernet Modem
- 5 Manufactured for and assessed by:
Measurement Technology Limited, Luton, Bedfordshire, LU2 8DL, UK.
- 6 This apparatus fulfils all the requirements for Group II, Category 3 G equipment in accordance with Directive 94/9/EC. The design complies with EN 60079-0:2009 and EN 60079-15:2010. The analysis is fully documented in FM Approval Report 3038314.
- 7 The apparatus in normal operation provides non-sparking connections to the power supply, Ethernet, RF, RS485 and RS232. The apparatus in normal operation is incapable of producing arcs, sparks or hot surfaces which may cause ignition and is designed to be installed and used in accordance with EN 60079-14:2008. Note Special Conditions of Safe Use.
- 8 The required marking of the apparatus is as specified in FM Approvals Ltd approval report number 3038314 and includes the distinctive community mark: 
- 9 In addition, the marking includes the CENELEC code Ex nA IIC T4 Gc.
The nA applies to the non-sparking connections to the power supply, Ethernet, RF, RS485 and RS232, and to the non-ignition capable energy and hot surfaces within the apparatus.
- 10 The markings must include the following warning regarding the above connections:
"Warning - Do not separate when energised".
Also the following warning regarding the DIL Run/Setup and RS485 termination switches:-
"Warning - Do not operate the Run/Setup and RS485 termination switches when energised".
- 11 The ambient temperature range for the apparatus is -40°C to +60°C.
- 12 Manufacture is controlled by an ISO 9001:2008 approved system.
- 13 The apparatus meets the ATEX Directive requirements for electromagnetic radiation by complying with the EMC Directive 2004/108/EC.
- 14 The standards published in the Official Journal of the European Commission with reference to the Low Voltage Directive 2006/95/EC have been used to fulfill the requirement of 1.2.7 of Annex II of directive 94/9/EC to avoid electrical risks.
- 15 Special Conditions of Safe Use
 - a) The non-metallic parts of the cover of the Wireless Ethernet Modem are considered to constitute an electrostatic discharge hazard. Clean only with a damp cloth.
 - b) The Wireless Ethernet Modem enclosure contains aluminium and is considered to constitute a potential risk of ignition by impact or friction and must be taken into account during installation.
 - c) When installed as Category 3 equipment, the Wireless Ethernet Modem shall be mounted within a tool-secured enclosure which meets the requirements of EN 60079-0 and EN 60079-15 and is capable of accepting the wiring methods specified in EN 60079-14. Where installed in outdoor or potentially wet locations, the enclosure shall, at a minimum, meet the requirements of IP54. Where installed in locations providing adequate protection against the entry of solid foreign objects or water capable of impairing safety, the enclosure shall, at a minimum, meet the requirements of IP4X.
 - d) The transmitter output should be connected to an aerial with a gain of no more than 0dB, in order to meet the requirements of ATEX and other European Directives.

S. Parfitt, Engineering Director



Date 12/10/12

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