



**BUREAU
VERITAS**



(1) **EC-Certificate of Conformity**

- (2) Equipment and Protective Systems Intended for Use
in Potentially Explosive Atmospheres – **Directive 94/9/EC**
- (3) EC-Certificate of Conformity Number:

EPS 09 ATEX 1 221 X

- (4) Equipment: Category 3 Laptop Type: Getac V100 -Ex
- (5) Manufacturer: ecom instruments GmbH
- (6) Address: Industriestr. 2
97959 Assamstadt

- (7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) Bureau Veritas Consumer Product Services Germany GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies, based on a voluntary testing, that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential report 09TH0267.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2006

EN 60079-11:2007

EN 61241-0:2006

EN 61241-11:2006

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.
- (12) The marking of the equipment shall include the following:



II 3G Ex ic IIC T4
II 3D Ex icD 22 T130°C

Certification department of explosion protection

Türkheim, December 1, 2009


A. Hänchen



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Annexe

(13)

(14) **EC-Certificate of Conformity EPS 09 ATEX 1 221 X**

(15) Description of equipment:

The Getac V100 -Ex is a rugged industrial Notebook with IP54 protection for use in potentially explosive atmospheres Zone 2 and 22. The ambient temperature range is from -20°C to +50°C.

Electric data:

Battery voltage: 11.1 Vdc
Maximum discharge current: 2.8 A

(16) Test report: 09TH0267

(17) Special conditions:

The test for impact according to EN 60079-0 Clause 26.4.2 was only done with the low impact energy. Therefore it has to be assured that the risk of mechanical danger is at a low level.

The Laptop is only allowed for use in areas with non-conductive dust.

It is not allowed to charge or change the battery in hazardous locations. All connections shall be closed and shall not be opened in hazardous location.

For use in hazardous locations the manufacturer's safety precautions against electrostatic charging shall be respected.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

A. Hänchen

Türkheim, December 1, 2009



**BUREAU
VERITAS**



1. Amendment for Certificate of Conformity

- (1) EC-Certificate of Conformity Number

EPS 09 ATEX 1 221 X

- (2) Equipment: Cat 3 Laptop Type: Getac V100 -Ex
(3) Manufacturer: ecom instruments GmbH
(4) Address: Industriestr. 2
97959 Assamstadt

- (5) Description: As accessory for the V100-Ex laptop the serial interface ConBox RS232 A can be used as external gateway in hazardous location zone 2 and 22. The maximum connection values are:

U_i = +/- 25V
U_o = +/- 8.46V
C_i = 0.54uF
C_o = 1.544uF
L_i = negligible (0mH)
L_o = 150mH
I_o = 78.8mA
P_o = 362mW

Dust hazardous area:

P_i = 354mW
I_i = 228mA

The test results of the extension are recorded in the confidential report 09TH0267.

- (6) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2006

EN 60079-11:2007

EN 61241-0:2006

EN 61241-11:2006

Certification department of explosion protection

Türkheim, February 10, 2011


A. Hänchen

