



[1]

TYPE EXAMINATION CERTIFICATE

[2] **Equipment or protective systems or components intended for use in potentially explosive atmospheres Directive 94/9/EC**

[3] Number of Type examination certificate:

EUM1 12 ATEX 0115

[4] Equipment:

Electronic weight indicator

Series:

WINOX

[5] Manufacturer:

LAUMAS ELETTRONICA S.r.l.

[6] Address:

Via Primo Maggio, n. 6 - 43022 Montechiarugolo (PR)

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents reported in it.

[8] EUROFINS-MODULO UNO S.p.A., notified body n. 2049 in accordance with Article 9 of the Council Directive 94/9/CE of 23th March 1994, certifies that this component have been found to comply with the Essential Health and Safety Requirements relating to the design and construction of component 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 n.M1.12.REL.01/42986


[9] Compliance with the essential health and safety is assured by compliance with:

EN 60079-0:2009; EN 60079-15:2010; EN 60079-11:2007; EN 60079-31:2009; EN 61241-11:2006;


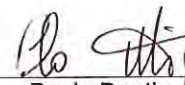
[10] The sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

[11] This TYPE EXAMINATION CERTIFICATE relates only to the design , the exam and and the tests of the equipment specified, in accordance with the Directive 94/9/CE. Further requirements of this Directive apply to the manufacture and supply of this equipment. These requirements are not object of this certificate.

[12] The equipment shall include the following signs:

 **II 3GD Ex nR [ic] IIC T6 Ex tc [icD] IIIC T72°C****-20°C ≤ T_{amb} ≤ +60°C**

Turin, 22 November 2012

**Dionisio Bucchieri**
Directive Responsible**Paolo Dentis**
Notified Body Manager**PRD N° 119B**
ISP N° 030EMembro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This Certificate has 4 pages and it is reproducible only in its entirety. Conditions of validity are reported below.

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ANNEX

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TYPE EXAMINATION CERTIFICATE N. EUM1 12 ATEX 0115
[15] Equipment description

The electronic weight indicator, called WINOX, is a device capable of powering a load cell, receive from it a value in voltage, sampling it and display it as a weight value.
 The device is equipped with an internal memory which can handle the weight values acquired.

The type of electrical protection against flammable gas, vapors or mists (G) corresponds to a design of a device having "restricted breathing enclosure". The type of electrical protection against conductive dust (D) corresponds to a "dust tight enclosure".

The device is an intrinsic safety associated apparatus.

The enclosure is made of stainless steel AISI 304 (DIMENSIONS: 206 X 286 X 108 mm) with gasket in Megol IA 20 C UG/UVR L and equipped with 6 cable glands Hummel HSK-K-EX already certified ATEX.

The display is made of polycarbonate Makrolon and it is sealed to the enclosure with mastic seals Arexons.

The power supply and consumption: 12 – 24 Vdc \pm 10%; 6W

The equipment can be equipped with 2 batteries:

- A battery NiMH 2.4V (always present)
- A battery pack with 8 AA-size NiMH 1.2V (for optional battery power supply of the instrument)

The ambient temperature is between -20 and +60 °C

Electrical parameters

Um	Uo	Io	Po	Lo	Co
24 V	5 V	120 mA	150 mW	1 mH	50 μ F

Warning label

WARNING – DO NOT OPEN WHEN AN EXPLOSIVE AMOSPHERE MAY BE PRESENT
 WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

[16] Special condition for a safe use

None

[17] Assessment report n° M1.12.REL.01/42986

This Type certificate is released after the positive result of the conformity assessment of the Council Directive 94/9/CE and to harmonized technical standard EN 60079-0:2009; EN 60079-11:2007; EN 60079-15:2010; EN 61241-11:2006; EN 60079-31:2009 performed by the notified body Eurofins-Modulo Uno SpA, and reported in the assessment report above cited.

Individual test

The manufacturer must do the routine test in compliance with clause 23.2.3.2.1.2 of EN 60079-15.

[13] **ANNEX**
 [14] **TYPE EXAMINATION CERTIFICATE N. EUM1 12 ATEX 0115**

[18] **Descriptive Documents**

Documento	Nome	Rev.	Data
Cable glands atex hummel	Pressacavi atex hummel	-	-
Cable glands hummel	Pressacavi hummel	-	-
Polycarbonate's Datasheet	vetrino policarbonato MF0107	-	01/2012
Datasheet of plastic keyboard	REFLEX LT	-	03/2010
Gasket Datasheet	Megol	-	-
	MEGOL_caratteristiche	-	27/01/2009
Putty's datasheet	mastice sicurezza	1	19/06/2012
	mastice scheda	-	01/02/2008
Datasheets of batteries	batteria tampone	-	-
	elemento batteria tampone	-	19/05/2004
	Cella Duracell(DC1500 - 2500mAh)	-	-
	Duracell supreme	-	-
Data sheet	WINOX L-R	-	-
Models	WINOX models	-	-
Mounting instruction	Assemblaggio Winox REV14 Atex	14	17/09/2012
Instruction for use	Istruzioni per l'uso – ATEX	1	-
Electrical schemes	WINOX	0	30/08/2011

[19] **Essential Health and Safety Requirements**

Assured by compliance with harmonized standards; the evaluations of "protections against other hazards" in paragraph 1.2.7 of the annex n. II of the directive 94/9/CE is not covered by this certificate. Requirement 1.5 is not applicable because there are not ATEX protective system installed on the equipment covered by this type examination certificate.

[20] **Certificate History**

This Certificate is at its first issue.

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ANNEX

[14]

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[21] Terms and conditions

This certificate do not replace anyway the declaration of conformity nor exonerate the manufacturer from product liability. The technical documentation do not refers to others directives applicable to the equipment.

The product liability rests with the manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- Changes in the design or construction of the product;
- Changes or amendments to the Directive;
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 94/9/EC Directive.

This document is the English translation (made by the notified body) of the original document drawn in Italian; only the Italian text is legally valid.