

CERTIFICATE

(1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 13ATEX0044X** Issue Number: **6**

(4) Product: **Weighing System Type RWS-Ex**

(5) Manufacturer: **Electromach B.V.,
Member of the R. STAHL Technology Group**

(6) Address: **Jan Tinbergenstraat 193, 7559 SP Hengelo,
The Netherlands**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential test report number 215604600 issue 4.

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

**EN 60079-0 : 2009
EN 60079-11 : 2012**

**EN 60079-1 : 2007
EN 60079-18 : 2009**

**EN 60079-7 : 2007
EN 60079-31 : 2009**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:



See description

Date of certification: 20 January 2025

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0044X**

Issue No. 6

(15) **Description**

The Weighing System Type RWS-Ex consists of a battery supplied intrinsically safe weighing unit mounted on or used with an approved forklift, pallet car or weighing platform. The load weight is sensed by loadcells located in the forks or the platform. The weight is displayed by an indicator. The system enables the operator to determine the weight of the transported load.

The components of the system are separately approved and marked. The application depends on their approval code and safety specifications.

The following table lists the Weighing System model code, the applicable type(s) of protection, the ambient temperature range, the electrical data and the options:

Weighing System	Approval code/ type of protection	Ambient temperature range	Electrical data and options
RWS-Ex, Model BTA226x or PJA43*X-IND226x	II 2 G Ex ib IIC T4 Gb or II 2 D Ex ib IIC T135 °C Db	-10 °C to +40 °C	See drawing 5020-RWS- Ex/BTA226x
RWS-Ex, Model ***-IT3000Ex- 12V/24V	II 2 G Ex e ib mb IIC T4 Gb or II 2 D Ex ib tb IIC T135 °C Db or II 2 G Ex d e ib mb IIC T4 Gb	-10 °C to +40 °C	See drawing 5020-RWS-Ex/IT3000 Ex-12V/24V
RWS-Ex, Model ***-2100-Exi Model ***-BX Model ***-2100-Exid Model ***-BXd	II 2 G Ex ib IIB T4 Gb or II 2 D Ex ib IIC T135 °C Db or with optional bluetooth: II 2 G Ex d ib IIB T4 Gb or II 2 D Ex ib tb IIC T135 °C Db	-10 °C to +40 °C	See drawing 5020-32-RWS-Ex-***- 2100-**
RWS-Ex, Model ***-4100-Ex -P4100 Model ***-LXp	II 2 G Ex d e ib IIC T4 Gb or II 2 D Ex ib tb IIC T135 °C Db	-10 °C to +40 °C	See drawing 5020-RWS-Ex-***- 4100-Ex -P4100
RWS-Ex, Model ***-4100-Ex -IT1000 Model ***-LXit	II 2 G Ex d e ib IIC T4 Gb or II 2 D Ex ib tb IIC T135 °C Db	-10 °C to +40 °C	See drawing 5020-RWS-Ex-***- 4100-Ex -IT1000
RWS-Ex, Model ***-6100-Ex Model ***-MX	II 2 G Ex d e ib IIC T4 Gb or II 2 D Ex ib tb IIC T135 °C Db	-10 °C to +40 °C	See drawing 5020-RWS-Ex-***- 6100-Ex
RWS-Ex, Model ***-8000-Ex-12V/24V	II 2 G Ex e ib mb IIC T4 Gb or II 2 D Ex ib tb IIC T135 °C Db or II 2 G Ex d e ib mb IIC T4 Gb	-10 °C to +40 °C	See drawing 5020-RWS-Ex-***- 8000-Ex-12V/24V
RWS-Ex, Model RPW 3200-Ex	II 2 G Ex d e ib IIC T4 Gb or II 2 D Ex ib tb IIC T135 °C Db	-10 °C to +40 °C	See drawing 1-3200
RWS-Ex, Model RPW 4100-Ex (IT1)	II 2 G Ex d e ib IIC T4 Gb or II 2 D Ex ib tb IIC T135 °C Db	-10 °C to +40 °C	See drawing 1-IT1

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 13ATEX0044X**

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Weighing System	Approval code/ type of protection	Ambient temperature range	Electrical data and options
RWS-Ex, Model PJA43*X-IND256x Model 2560 Exi Model Proline 2560 Exi	II 2 G Ex ib IIC T4 Gb II 2 D Ex tb [ib] IIIC T60°C Db	-10 °C to +40 °C	See drawing IND256X
RWS-Ex, Model PJA43*X-IND256xW Model 2560-w Exi Model Proline 2560-w Exi	II 2 G Ex ib IIB T4 Gb II 2 D Ex tb [ib] IIIC T60°C Db		

The system can optionally be provided with a level switch Model RELS-001-Exi that is connected to the Weighing Unit.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 215604600 issue 4.

(17) **Specific conditions of use**

- The weighing terminal model PJA43*X-IND256x(W) / Model 2560(-w) Exi / Model Proline 2560(-w) Exi must be protected from UV-light.
- Electrostatic charging of weighing terminal model PJA43*X-IND256x(W) / Model 2560(-w) Exi / Model Proline 2560(-w) Exi during operation and maintenance has to be excluded. The terminal shall only be installed in areas where operational and process related electrostatic charges are not present.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 215604600 issue 4.

(20) **Certificate history**

Issue 1 to 3 - 215604600 initial certificate and addition of models
 Issue 4 - 219006100 addition of models and bluetooth option to existing models
 Issue 5 - 224788500 addition of models, change of existing models
 Issue 6 - 229493900 addition of alternative model names for an existing model