



OBAC

Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) TYPE EXAMINATION CERTIFICATE

- (2) Equipment, components and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.
- (3) Type examination certificate No: **OBAC 19 ATEX 0214X, Issue 2**
- (4) Product: **High Resolution Platforms type PL.**.HRP.EX.***
- (5) Manufacturer: **RADWAG Wagi Elektroniczne Witold Lewandowski**
- (6) Address: **ul. Toruńska 5, 26-600 Radom POLAND**
- (7) This equipment, product or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Ośrodek Badań, Atestacji i Certyfikacji OBAC Sp. z o.o. (The Institute for Research and Certification „OBAC”) certifies that this equipment, component or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment, component or protective systems intended for use in potentially explosive atmospheres given in Annex II to the European Council Directive 2014/34/EU.
The examination and test results and the list of agreed technical documentation are recorded in the confidential Report no. OBAC/24/ATEX/0542.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

- (10) If the sign „X” is placed after the certificate number, it indicates that the product concerned is subject to specific conditions of use specified in the schedule to this certificate.
- (11) This certificate is valid from **22.01.2025** until **21.01.2030** and relates only to the design, assessment and tests of the specified equipment according to the Directive 2014/34/EU. The certificate does not apply to further requirements of the Directive relating to the manufacture and placing on the market of this equipment.
- (12) The marking of the equipment, component or protective system must include the following:

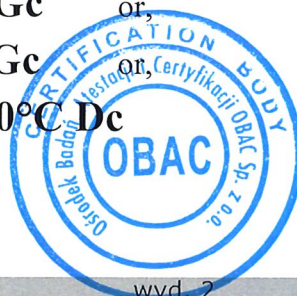
 **II 3G Ex ic IIC T4 Gc**

or,

 **II 3G Ex ic IIB T4 Gc**

or,

 **II 3D Ex ic IIIC T60°C Dc**



Head of Certification Body

Piotr Tarnawski M. Com.

Gliwice, 17 January 2025.



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(13)

SCHEDULE

(14)

to the Type Examination Certificate
No. OBAC 19 ATEX 0214X, Issue 2

(15) Ex product description:

High resolution platforms are devices used for mass measurement. They comprise a measuring module, i.e. a component transforming external mechanical load into a digital signal. The measuring module features a hermetic casing inside of which a measuring mechanism and electronics board are housed. It is equipped with connectors for power supply and data transmission cable, which connectors are installed on the module's side wall.

The module is coupled to the weighing platform construction. To the measuring module, a load carrier can be connected either directly or through a system of levers and leverage. The connection method is conditioned by the mechanical design of the weighing platform and its maximum load

Marking:

PL..HRP.EX.***

Platform capacity, e.g.: _____

150 – 150kg, single range

60/150 – 60/150kg, dual range

Platform size (optional parameter): _____

1, 2, 3 ...

Platform version (optional parameter): _____

H..., ...**Q, HQ**

Example marking:

PL.150.HRP.EX.H

PL.300.HRP.EX

PL.300.1.HRP.EX

PL.2000.HRP.EX.Q

Rated data:

Ambient temperature range $+10^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$

Degree of protection IP66/IP67

Intrinsic safety related parameters:

– **M12 4p Female socket**

pin 1-4 (V1): $U_i=8\text{V}$

pin 2-4 (V4): $U_i=15\text{V}$

pin 3-4 (V5): $U_i=-15\text{V}$

/DC inputs V1, V4, V5/:

I_i, P_i - not relevant

$I_i=45\text{mA}$

$I_i=45\text{mA}$

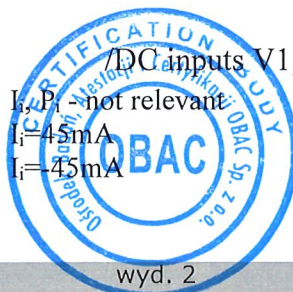
P_i - not relevant

P_i - not relevant

L_i, C_i – negligible

L_i, C_i – negligible

L_i, C_i – negligible





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- **M12 4p Male socket** /RS 485/:
- pin 1-3: $U_o=3,5V$ $I_o=39mA$

L_o	50mH	10mH	1mH	0,1mH
C_o	3,5 μ F	7,5 μ F	13 μ F	25 μ F

$U_i=6V$ $I_i=71mA$ P_i - not relevant L_i, C_i – negligible

(16) Report:

- OBAC/24/ATEX/0542.

(17) Specific conditions of use:

- WARNING - potential electrostatic charging hazard - see instructions.
- Ambient temperature range: $+10^{\circ}C \leq Ta \leq +40^{\circ}C$.

(18) Essential health and safety requirements:

Met by compliance with the requirements mentioned in item 9.

(19) Certification history:

OBAC 19 ATEX 0214X of 22 January 2020.	Type-examination certificate valid from 22.01.2020 to 21.01.2025.
Schedule no. 1 to the certificate no. OBAC 19 ATEX 0214X, of 31 January 2023.	Possibility of alternative use of new versions of platforms in which the housing, weighing mechanism, height and mounting of the weighing pan have been modified, Possibility of alternative use of new pcb (538R2209) in place of the previously used one (538R1904), Change of ambient temperature range
OBAC 19 ATEX 0214X, Issue 2, of 17 January 2025.	Extension of validity of certificate. Certificate valid from 22.01.2025 to 21.01.2030.

