



**OIML Member State**  
Czech Republic

**OIML Certificate No.**  
R76/2006-A-CZ1-2023.05

**OIML CERTIFICATE ISSUED UNDER SCHEME A**

**OIML Issuing Authority**

Name: **Czech Metrology Institute**  
Address: Okružní 31  
638 00 Brno  
Czech Republic

Person responsible: Jan Kalandra

**Applicant**

Name: RADWAG Wagi Elektroniczne Witold Lewandowski  
Address: 5 Toruńska Street  
26-600 Radom  
Poland

**Manufacturer**

Name: RADWAG Wagi Elektroniczne Witold Lewandowski  
Address: 5 Toruńska Street  
26-600 Radom  
Poland

**Identification of the certified type** (*the detailed characteristics will be defined in the additional pages*)

**Weighing module for NAWI**  
**type:** HRP xxx.n.yyy or PL.xxx.n.HRP.yyy, HRP.EX xxx.n.yyy or PL.xxx.n.HRP.EX.yyy

**Designation of the module** (*if applicable*)

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This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 76-1 Edition (year): 2006**

For accuracy class **II** and **III**



This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated reports:

Test report 6052-PT-Z0003-22 that includes 49 pages and 8551-PT-E0218-22 that includes 44 pages  
OIML type evaluation report No. 0511-ER-N105-22 dated 26 July 2023 that includes 10 pages.

The technical documentation relating to the identified type is contained in documentation file:

0511-UL-N105-22

#### OIML Certificate History

Revision No.	Date	Description of the modification
	26 July 2023	Issuing certificate

#### The OIML Issuing Authority

RNDr. Pavel Klenovský  
Head of Certification Body

Date: 26 July 2023



**Important note:** Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

**Characteristics of the instrument/module**

Instrument/module **HRP xxx.n.yyy** or **PL.xxx.n.HRP.yyy**, **HRP.EX xxx.n.yyy** or **PL.xxx.n.HRP.EX.yyy** can be used as a module for NAWI instruments class II or III.

**Main metrological characteristics**

class II	class III
$n \leq 32000$	$n \leq 10000$
$Max \leq 2000 \text{ kg}$	$Max \leq 2000 \text{ kg}$
$e \geq 1 \text{ g}$	$e \geq 1 \text{ g}$
$0,1e \leq d \leq 1e$	$d=e$
<b>Dual range operation</b>	
The temperature range is $+10^{\circ}\text{C} / +40^{\circ}\text{C}$	
Power supply version for standard platforms	12÷ 24V DC
Optional power supply version for standard platforms	Adapter 100÷240 V AC / 12÷ 24V DC
Power supply version for EX platforms	100÷240 V AC 50-60 Hz through dedicated power supply only PM02.EX
Operating temperature	$+10 - +40 \text{ }^{\circ}\text{C}$
Relative humidity	$15\% \div 80\%$
Protection Class (all platforms)	IP 66/67
Outputs supply voltage of HRP module	$12 \div 24 \text{ V DC}$
Max outputs current of HRP module	100 mA
Control voltage range for input of HRP module	$12 \div 24 \text{ V DC}$
Max. pan size	360 x 280 mm or 400 x 500 mm with support construction for platform without leverage, or 800 x1000 mm for platform with leverage, or 1250 x 1000 for platform with double leverage
Accuracy class	II or III

**Devices and functions**

- Semi-automatic zero-setting device
- Initial zero-setting device  $\leq 20\%$  Max
- Zero-tracking device  $\leq 4\%$  Max
- Tare device
- Indication stabilization device
- Service menu via switch S1 on the main board
- internal adjustment
- Gravity compensation
- Dual range

**Interfaces**

Interfaces used must comply with the paragraph 5.3.6 of OIML R76-1 (2006). Following types of interfaces are used in HRP standard module: RS 232, Ethernet, RS 485, Profibus, ProfiNet, CAN. Additional, not protected interfaces: digital I/O 2 inputs / 2 outputs or 4 inputs / 4 outputs.

Additional, not protected interfaces: 4 digital inputs.

Following types of interfaces are used in HRP EX version of module: RS485. Additional, not protected interfaces: 4 digital inputs.

Connectors and/or glands may be used for connection.

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### **Software**

Determining the weighing result and its status is performed by the embedded software during measurement in real time. Then the weighing result and the status is transmitted in digital form via protected interface to a weighing indicator operating as a terminal for displaying and/or printing weighing results and having a keyboard for operator's interaction with the weighing instrument e.g. editing and entering parameters, zeroing, tarring etc. The valid software version is **3.18 or 3.18EX (for EX versions)**.

### **Non-essential devices**

When non-essential device is connected to an electronic instrument through an appropriate interface the metrological qualities of the instrument shall not be adversely influenced.

