Czech Metrology Institute

Member state
**Czech Republic**

OIML Certificate No.
**R76/2006-CZ-16.01**

# OIML BASIC CERTIFICATE OF CONFORMITY

**Issuing Authority**

Name: Czech Metrology Institute
Address: Okružní 31,
638 00 Brno, CZ
Person responsible: Jan Kalandra

**Applicant**

Name: **RADWAG WAGI ELEKTRONICZNE Witold Lewandowski**
Address: **ul. Bracka 28**
**26-600 Radom**
**Poland**

Manufacturer of the certified type
Name: **RADWAG WAGI ELEKTRONICZNE Witold Lewandowski**
Address: **ul. Bracka 28**
**26-600 Radom**
**Poland**

Identification of the certified type

**Indicator**, tested as a part of a weighing instrument (for non-automatic weighing instrument)
**Type: PUE HY10**

Further characteristics see page 3 and 4.

This certificate attests the conformity of above identified type (represented by the sample (s) identified in the OIML Basic Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**OIML R 76, edition 2006 for accuracy class (II) and (III)**

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

This 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 OIML Basic Type Evaluation Report(s)
No. 6012-PT-022-15.1 dated 4.12.2015 that includes 39 pages
No. 8551-PT-E0203-15 dated 13.10.2015 that includes 49 pages.

**Certificate history:**

| Issue no. | Date | Description of the modification |
|---|---|---|
| | | |

Český metrologický institut
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**The OIML Issuing Authority**
Pavel Klenovský

1 April 2016

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 Basic Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

**Instrument description:**

Electronic indicator for non-automatic weighing instruments of accuracy class II and III.
Maximum number of verification scale intervals: $n \leq 6000$
The indicator can be used for multi range weighing instruments.
The temperature range is -10°C / +40°C.

**Construction**

The indicator has a stainless steel housing, 10,1" TFT displays with resistive touch panels. N additional platform can be attached to them.
For the basic construction see picture 1.

**Devices and functions**

- multi range
- determination of stability of equilibrium
- indication of stable equilibrium
- zero indicator
- initial zero setting ≤ 20% Max
- zero tracking ≤ 4% Max
- automatic zero setting
- semi-automatic zero setting
- semi-automatic tare balancing (subtractive)
- calibration and set-up mode via switch on the main board
- gravity factor set up
- alibi memory

**Technical parameters**

| | **PUE HY10** |
|---|---|
| Power supply | 100-240V AC 50-60Hz |
| Optional power supply | External 12-24 V DC |
| Maximum change of input signal | 19,5mV |
| Maximum voltage per verification scale interval | 3,25μV |
| Minimum voltage per verification scale interval | 0,4μV |
| Minimum load cell impedance | 50Ω |
| Maximum load cell impedance | 1200 Ω |
| Load cell excitation voltage | 5V |
| Load cell connections | 4 or 6 wires plus shield |
| Maximum number of connected platforms | 2 |

**Memory module (Alibi memory)**

The indicator PUE HY10 can be equipped with a Memory module (Alibi memory) used as a database system acting as a long term memory. It saves automatically weighing results according to WELMEC 2.5 guideline, using an embedded micro SD card. Data are protected against deletion for a given period (configurable). Indicator software is running on Windows Embedded Compact 7. Protection is done by means of operating system and physical prevention of loading other software. Software is identified as whole package and identification is accessible via user interface. The Memory module shall be in compliance with WELMEC guideline 2.5 providing that the parameters correspond with those described in Test Report No. 6014-PT-S0027-10.

**Interfaces**

The indicator is equipped with following interfaces: RS232x2, USBx2, Ethernet, 4IN/4OUT, that fulfills requirements of EN45501 paragraph 5.3.6.1, and 10,1" TFT displays with touch panel. An additional platform can be attached to them.

List of additional modules:
- add. RS232
- 4IN/4OUT (gland)
- 12IN/12OUT (gland)
- Analog outputs (gland)
- PROFIBUS
- RS485
- CAN
- Profinet
- WiFi
- external power supply


**Figure 1 PUE HY10 general view**