NMO

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R76/2006-GB1-16.01

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**

Person responsible: **Max Linnemann – Head of Certification Body**

Applicant: **KEMEK ENGINEERING**
Mokslininku str. 62
Vilnius
LT-08412
LITHUANIA

Manufacturer: **The applicant**

Identification of the certified pattern: **MATAS PB16**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R 76 - Edition 2006(E) for **accuracy class**: [III] and [IIII]

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

Issue Date: **23 June 2016**
Reference No: **TS1201/0125**

G Stones
Technical Manager
For and on behalf of the Head of Certification Body

UKAS PRODUCT CERTIFICATION
0135

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The conformity was established by testing and examination described in the associated Evaluation Report P01533 which includes 14 pages.

Characteristics of the instrument:

This indicating device, designated the MATAS P16B, is designed to be used as part of a single/multi-interval, Class III or IIII, non-automatic weighing instrument. The indicators are self-indicating and mains-powered.

The instruments are not designed for direct sales to the public.

Main features:

- Aluminium enclosure
- LED display
- Operator keypad with 7 navigation and function keys
- LED enunciators

Devices:

- Initial zero setting device on power up (≤ 20% Max)
- Semi-automatic zero setting (≤ 4% Max)
- Zero tracking (≤ 4% Max)
- Semi-automatic subtractive tare balancing (T = -Max)
- Gross and Net enunciators
- Zero enunciator
- Indication of stable equilibrium
- Gravity compensation

Interfaces:

- Load cell connection
- RS232
- USB printer
- LAN

Load cell:

Any compatible load cell(s) may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules, and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.
- The compatibility of the load cells and indicator is established by the manufacturer by means of the compatibility of modules calculation at the time of verification.
- The load cell transmission conforms to a standard type.

Technical data:

Power supply	9-36 VDC
Maximum number of scale intervals	5,000 (Class III) or 5,000 (Class IIII). single or multi range with a maximum of 3 partial ranges.
Maximum Tare value	- Max
Load cell excitation voltage	9 VDC

Minimum load cell impedance	35 Ω
Maximum load cell impedance	1100 Ω
Minimum input voltage per verification scale interval	0.4 μV
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	8 mV
Fraction of maximum permissible error	P_i = 0.5
Operating temperature range	- 10 °C to + 40 °C
Load cell cable (from indicator to load cell junction box) - Maximum length	1298 m/mm^2 (6-wire configuration) and less than 30 m in length.

Software:

The software is held in firmware on the circuit board, and has the identification number "SOFt 1.x", with x reflecting non-legally relevant changes. The software version number is displayed at power-up.
Download of software is only possible by accessing the main board inside the sealed enclosure.
Access to the legally relevant parameters is prevented by a jumper (JP1) on the main board.

Sealing:

Access to the jumper JP1 is prevented by sealing the enclosure.
The load cell connection shall be sealed.
The sealing measures shall be tamper-evident.

CERTIFICATE HISTORY

ISSUE NO.	**DATE**	**DESCRIPTION**
R76/2006-GB1-16.01	23 June 2016	Certificate first issued.
-	-	No revisions have been issued.