NMO

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

OIML Certificate No
R76/2006-GB1-16.10

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**

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

Applicant: **Ohaus Corporation**
7 Campus Drive, Suite 310
Parsippany, NJ 07054
United States of America

Manufacturer: **The applicant**

Identification of the certified pattern: **T82XWT**

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/or [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: **12 September 2016**
Reference No: **TS1201/0170**

Grégory Glas
Technical Manager
For and on behalf of the Head of Certification Body

UKAS PRODUCT CERTIFICATION
0135

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NMO is part of the Regulatory Delivery directorate within the Department for Business, Energy and Industrial Strategy

The conformity was established by testing and examinations described in the associated: Evaluation Report P01949 which includes 14 pages.

Characteristics of the instrument:

Main features:

The T82XWT weight indicating device designed to be connected to a load receptor to form a Class III and IIII, non-automatic weighing instrument.

The above named indicator has the following features:

- Stainless steel enclosure
- LCD or LED display, graphic touch
- Functions keys
- Connections and ports located at the back

Devices:

- Initial zero-setting (≤ 20% Max)
- Semi-automatic zero setting (≤ 4% Max)
- Zero tracking (≤ 4% Max)
- Semi-automatic subtractive tare weighing
- Pre-set tare
- Recall of Gross indication when tare is active
- Determination of stability of equilibrium
- Indication of stability of equilibrium
- Multi-range and multi-division function
- Checking of display
- Printing
- Alibi storage device
- Gravity compensation
- Checkweighing
- Real time clock
- Counting
- Command via external device (PC)
- Accumulation
- Battery level indicator
- Remote control
- LCD or LED
- Peak Hold
- Gross, Net, Tare, Preset tare, Print, Zero, Motion, Accumulation, Over/Under weight and Network indicators

Technical characteristics:

Maximum number of scale intervals	10,000
Load cell excitation voltage	5 V DC
Minimum load cell impedance	20 Ω
Maximum load cell impedance	10 kΩ
Minimum input voltage per verification scale interval	0.3 μV/div
Measuring range minimum voltage	3 mV

Measuring range maximum voltage	30 mV
Fraction of maximum permissible error	0.5
Operating temperature range	-10 / + 40 °C
Load cell connection	4 or 6 wire
Load cell cable length (junction box to indicator)	200 m/mm^2 or 50m

Technical data:

The indicators can operate directly on a 110-240 V AC supply or via an internal power supply (6 V DC). Any compatible CE-marked mains adaptor may be used.

Interfaces:

The instrument may have the following interface type:

- 4 or 6 wire load cell connection
- DC voltage input
- RS-232
- RS-485
- Control inputs/outputs
- USB
- Ethernet
- Bluetooth
- Optoisolated inputs
- Photomosfet outputs
- SENSOR (Digital in)
- RF (radio frequency)
- WiFi
- Anologue ouput and input
- Profibus
- Profinet
- DeviceNet
- CANopen
- Ethercat

Seals:

The calibration and setup parameters can only be accessed via the sealed switch located on the main board.

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.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-16.10	12 September 2016	Certificate first issued.
-	-	No revisions have been issued.