



OIML Member State
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No.
R76/2006-A-GB1-19.07
Revision 1

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority **NMO**
Stanton Avenue
Teddington
TW11 0JZ
United Kingdom

Person responsible **Mannie Panesar – Head of Technical Services**

Applicant **Datalogic USA, Inc**
959 Terry Street
Eugene, Oregon 97402
USA

Manufacturer **The applicant**

Identification of the certified type **Magellan 9300i or Magellan 9400i**
(the detailed characteristics are defined in the Descriptive Annex)

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, Edition: 2006

For accuracy class: III

Issue date: 23 July 2020

The OIML Issuing Authority

Grégory Glas
Lead Technical Manager
For and on behalf of the Head of Technical Services

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 OIML type evaluation report:

No. P02587 revision 1 dated 23 July 2020 that includes 17 pages

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

No. P02587-D dated 26 April 2019

No. P02797-D dated 23 July 2020

OIML Certificate History

Revision No.	Date	Description of the modification
0	26 April 2019	OIML Certificate first issued.
1	23 July 2020	Alternative USB power supply added (Alternative 2).

This revision replaces previous versions of the certificate.

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.

DESCRIPTIVE ANNEX

This instrument is a Magellan 9300i or Magellan 9400i scanner/scale (models 939404 and 939406), Class III, mains operated, self-indicating, weight only, single or dual interval, Non-automatic Weighing Instrument.

The instrument is designed for direct sales to the public.

Main features:

- The diecast base unit supports the load cell, barcode scanner assembly, main board and analogue boards. The scale sub-assembly is mounted on the load cell and the steel "L" shaped load receptor is mounted on the four supporting points on the scale sub-assembly.
- Designed to be flush-mounted in a fixed position in a checkout surface. Instruments may be fitted with a level indicator.
- Remote LCD single sided display model 8300RD or 960RD.
- Pihong model PSAA18U-120 mains power adapter.
- Model 939404 dimensions length 40.1 cm, width 29.2 cm and height 22.5 cm
- Model 939406 dimensions length 50.8 cm, width 29.2 cm and height 22.5 cm

Devices:

- Initial zero setting device ($\leq 20\%$ of Max)
- Semi-automatic zero setting device ($\leq 4\%$ of Max)
- Zero tracking device ($\leq 4\%$ of Max)
- Automatic zero setting device
- Zero indicator
- Gravity compensation

Load cell:

The load cell is a Mettler-Toledo, part number SLP33xD, with a capacity of 30 kg.

Technical data:

Power supply is provided by a Philong model PSAA18U-120 mains power adapter that provides a 12 V DC supply to the weighing instrument and barcode scanner, from a 100-240 VAC, 50/60 Hz mains supply.

The temperature range for the instrument is +10 °C to +40 °C.

n_i	≤ 3000
Max	$\geq 6 \text{ kg}$ $\leq 15 \text{ kg}$
Min	20 e
e =	$\geq 2 \text{ g}$

Software:

The legally relevant parameters (scale configuration and calibration) are stored in EEPROM (Electrically Erasable Programmable Read Only Memory) on the circuit board, and have the following identification versions numbers used for verification purposes:

1-70-28
2-0-0

These version numbers are displayed on the health and status indicator by entering scale diagnostics mode. The method to enter scale diagnostics mode is provided in the Product Reference Guide (PRG).

Access to the calibration mode is only allowed by operating a switch behind a sealing cap.

Interfaces

- POS terminal (RJ10)
- Remote display (RJ4)
- Scale host (RJ10)
- Auxiliary port (RJ10)
- EAS port (RJ45)
- Power (Molex 3 pin)
- USB
- Image port

Sealing:

Components that may not be dismantled or adjusted by the user (EEPROM, calibration switch, load cell) shall be secured by a tamper-evident solution bearing a securing mark. The securing mark may be either:

- a mark of the manufacturer and/or manufacturer's representative, or
- an official mark of a verification officer.

Alternatives:

1. The instrument may be fitted with a remote semi-automatic zero-setting button box manufactured by Datalogic USA, Inc. The remote semi-automatic zero-setting button box is connected to the scanner/scale via the auxiliary port described under Interfaces. It is fitted with a single, clearly marked button that, when pressed, activates the semi-automatic zero-setting device. The remote button box is enabled by programming a configuration item in the scanner/scale, and when enabled, the original semi-automatic zero-setting button on the control panel is disabled.
2. The instrument may be powered from the POS terminal's USB power plus (12 VDC) interface port via a Datalogic custom interface cable. The cable connects to the POS terminal's USB power plus port and then via the cable splitter to the USB data port on the scanner scale, and also to the 12V DC power receptacle of the scanner scale via the 3 pin flat Molex connector.