

OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R51/2006-B-GB1-18.02
OIML CERTIFICATE ISSUED UNDER SCHEME B	
OIML Issuing Authority NMO Stanton Avenue Teddington TW11 0JZ United Kingdom Person responsible: Mannie Panesar – Head of Technical Services	
Applicant Società Cooperativa Bilanciai Campogalliano Via S. Ferrari n°16 41011 Campogalliano (MO) Italy	
Manufacturer The applicant	
Identification of the certified type GALAXI-LT <i>(the detailed characteristics are defined in the Descriptive Annex)</i>	
<p>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):</p> <p>OIML R51, Edition: 2006</p> <p>For accuracy class: XIII(1) and Y(a)</p>	
<p>Issue date: 29 June 2018</p> <p>The OIML Issuing Authority</p>  <p>Grégory Glas Lead Technical Manager <i>For and on behalf of the Head of Technical Services</i></p>	

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. P02312 dated 29 June 2018 that includes 14 pages.

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

No.P02312-D dated 29 June 2018.

OIML Certificate History

Revision No.	Date	Description of the modification
0	29 June 2018	OIML Certificate first issued.
-	-	-

No revisions have been issued.

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

Introduction

This family of instruments, designated the GALAXI-LT, comprises patterns designed to operate as automatic checkweighers (Category X) and/or automatic weight or weight/price labellers (Category Y).

The instruments are designed to weigh packs statically.

Characteristics of the instrument:

Model	GALAXI-LTxx0 "6"	GALAXI-LTxx0 "12"	GALAXI-LTxx0 "15"	GALAXI-LTxx0 "12-15"
Max capacity (Max)	≤ 6 kg	≤ 12 kg	≤ 15 kg	≤ 12 / 15 kg Dual interval
Min capacity (Min) Category X or Y	≥ 20 g	≥ 40 g	≥ 100 g	≥ 40 g
Scale interval (e)	1 g	2 g	5 g	2 / 5 g
Max number of scale intervals (n)	≤ 6000	≤ 6000	≤ 3000	≤ 6000
Preset Tare (PT):	≤ - Max			≤ - Max ₁
Climatic environ- ment	0 to +40 °C / Closed, non-condensing			
Power supply	240 V a.c. 50 Hz			
Accuracy class	XIII(1) and Y(a)			
Max speed	70 m/min			

Construction:

The instrument is constructed in stainless steel. The framework is a fabricated floor standing stainless steel frame on adjustable feet. On the frame are mounted the modular conveyor sections (in-feed, weigh platform, and out-feed). The conveyors type, number, size and shape are not restricted. The out-feed conveyor can be equipped with a labelling device and one of a number of reject devices, including a flipper, drop flap, ram or air blast. The in-feed or out-feed conveyors may be equipped with quality control system such as photocells, metal detectors or X-rays.

Devices:

- Automatic zero setting device active during automatic operation (at least once every 27 min, ≤ 4% Max)
- Semi-automatic zero-setting (≤ 4% Max)
- Initial zero-setting (≤ 20% Max)
- Zero-indicating
- Pre-set tare device (subtractive)
- Static calibration, not accessible to the user
- Belt speed setting, accessible to the user (access password protected level 1)
- Internal memory for storage of batch data (category X)
- Device acting upon significant faults
- Screen check at power-up
- High resolution mode (0.1e) for testing purposes, not accessible to the user
- Operation under Category X or Y selection device, accessible to the user (access password protected level 2, see note below)

Load cell:

The load cell is as follows: Tedea load cell type 1042, $E_{\max} = 30$ kg

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

- There is a respective OIML Certificate (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 R51(2006) has been conducted on this load cell.
- It is not a load cell with digital output
- The characteristics of the replacement load cell such as nlc, Y, Z are the same or better than the load cell tested dynamically (Tedea 1042 C4, capacity 30 kg)
- The design of the load cells and the material are the same
- No oil damper is used
- The minimum input voltage per verification scale interval must be less than $0.67 \mu\text{V}$.

Software:

The software is split between two boards, both held in the cabinet.

The A/D Converter board software filters and digitises the analogue signal from the load cell. The GALAXI board software applies stability criteria, rounds weight values, and controls auxiliary features (package sensors, conveyor belts, labelling, storing, printing, etc.). The GALAXI board software holds legally relevant parameters which can only be altered by entering a service level password and pressing the calibration button.

Download of new software is recorded in a non-editable event logger.

A CRC32 checksum is calculated over both legally relevant software parts at boot-up, and the instrument will not run if these do not match with the calculated value at verification.

The software identification shall be as follows:

A/D Converter board software:
SCALE: 491064 x.x

GALAXI board software:
LEGAL.OUT: 5.x.x

Where 'x' may be any numerical value and denotes non-legally relevant changes.

The above verification information is displayed by pressing the time/date button > SW Ver

The event logger is displayed by pressing the time/date button > LEGAL UPDATED.

Interfaces

- Ethernet
- RS232
- RS422
- I/O board

Sealing:

Components that may not be dismantled or adjusted by the user (load cell, A/D board, calibration button) are located behind a metallic cover protected by a hardware seal.

The instrument calculates batch statistics (mean and standard deviation) using internal high resolution values. The algorithms have been checked for compliance with OIML R51(2006) at the type evaluation stage, and may be used for verification purposes.

Alternatives:

There are currently no authorised alternatives.