

	
OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R76/2006-A-GB1-20.01
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	Fabricantes de Equipos para Refrigeración, S.A. de C.V. Av. Día del Empresario 901, Col. Jardines de Guadalupe, C.P. 67115 Guadalupe, Nuevo León Mexico
Manufacturer	The applicant
Identification of the certified type	L-EQ Series <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 R 76-1, Edition: 2006</p> <p>For accuracy class: III</p>	
<p>Issue date: 08 June 2020</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. P02323 dated 08 June 2020 that includes 16 pages

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

No. P02323-D dated 08 June 2020

OIML Certificate History

Revision No.	Date	Description of the modification
0	08 June 2020	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

Characteristics of the instrument:

This family of instruments is designated the Torrey L-EQ Series (Figure 1) and comprises different models. The instruments are Class III, mains or battery-powered, self-indicating, single-interval, non-automatic weighing instruments.

The instruments may be used for direct sales to the public.

Main features:

- Stainless steel construction
- Stainless steel load receptor
- Operator's keypad with 9 keys
- Front display (Figure 2)
- Level indicator under the load receptor
- Adjustable feet

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)
- Zero indicator (ZERO)
- Semi-automatic subtractive tare balancing
- Net indicator (NET)
- Checkweighing
- HIGH / LOW annunciators

Load cell:

The load cell fitted in the instrument is a Medidata model M022, E_{\max} as described in the Technical data section.

Interfaces:

- RS232
- Tare footswitch connector

Technical data:

The instruments operate on a 230 Vac (50 Hz) mains power supply via a CE-marked adaptor. The instruments also operate on an integrated rechargeable 4 V, 2.5 Ah battery. The battery can be recharged during operation.

The temperature range for the instruments is $-10\text{ }^{\circ}\text{C}$ / $+40\text{ }^{\circ}\text{C}$.

Metrological characteristics of the instrument are listed below:

Model name	L-EQ-4/8	L-EQ-8/16	L-EQ-10/20	L-EQ-20/40
Max	4 kg	8 kg	10 kg	20 kg
Min	20 g	40 g	100 g	100 g
e =	1 g	2 g	5 g	5 g

n	4000	4000	2000	4000
T ≤	- 4 kg	8 kg	10 kg	20 kg
Load cell E _{max}	5 kg	10 kg	10 kg	20 kg

Software:

The software identification shall be "L19L5". The full software version number can be displayed by pressing "TARE" and "PRINT" at power up.

The legally relevant parameters (calibration and configuration) are accessible by pressing buttons in a sequence and then entering a passcode. Two non-editable counters, designated calibration counter CA.XXX and configuration counter CF.XXX, increment every time the legally relevant parameters are changed. The value of the counter can be displayed by pressing "TARE" and "ZERO" at power up.

Download of software is prevented by sealing the enclosure (Section Sealing).

Sealing:

Access to the load cell and electronics is prevented by sealing the enclosure using a tamper-evident method.

The values of the counters defined in software section must be written on a tamper-evident label.

Alternatives:

Having the instruments manufactured by the following companies:

Sammic S.L.
Basarte 1
20720 - Azkoitia, Gipuzkoa
Spain

Having alternative instruments designated the L-EQ-m/n-P series, which have the same metrological characteristics but with a different stainless-steel load receptor.