

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5538-07

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California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Computing Scale
Digital Electronic
Models: TLS Series
 n_{\max} : 4 000
Platform size: 16" x 14"

Accuracy Class: III

Submitted by:

Fabricantes de Basculas Torrey, S.A. de C.V.
Ave. Los Andes 605 Col. Coyoacan
Monterrey, Nuevo Leon
Mexico 64510
Tel: 011.52.81.8379.1574
Fax: 011.52.81.8377.9103
Contact: Aaron Hernandez

Standard Features and Options

Semi-automatic (push-button) zero
Initial zero setting mechanism (IZSM)
Alphanumeric display
Battery powered 6 VDC
Power off timer battery saving feature
Integrated printer capability
Battery saving feature (sleep mode, auto shut off)
Customer display

Semi-automatic (push-button) tare
Automatic zero tracking (AZT)
Liquid crystal display (LCD)
Gross/net weight display
AC/DC adapter
RS-232 communication port
Gross/tare/net display
PLU capable

Model	Capacity	d	e	nmax
TLS-20	20 kg	0.005 kg	0.005 kg	4 000
TLS-40L	40 lb	0.01 lb	0.01 lb	4 000

Load Cells Used:

Medidata, Model M022-20kg

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.



Effective Date: October 4, 2007

Dennis Johannes, Director

Fabricantes de Basculas Torrey, S.A. de C.V.
Computing Scale, Digital Electronic
Models: TLS-Series

Application: For use in direct sales in supermarkets and delicatessens.

Identification: The required markings are located on the customer's and operator's display. Additional identification markings are on a label placed under the weighing platter and are visible when the platter is removed.

Sealing: Sealing is provided by a wire seal threaded through two plastic screws with holes in them located at the bottom of the scale. This secures a cover plate that prevents access to the calibration switch inside.

Test Conditions: The Model TLS-20 was submitted for evaluation. The emphasis of this evaluation was on device design, operation, performance, marking requirements, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were conducted. The device was tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the scale more than 100 000 times. The scale was tested for accuracy approximately every 25 000 times. Additionally, zero functions, discrimination and PLU computational accuracy were evaluated and performance tests were conducted using 100 VAC, 130 VAC, 7.5 VDC, and 9.9 VDC.

The results of the evaluation and information provided by the manufacturer indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2007 Edition

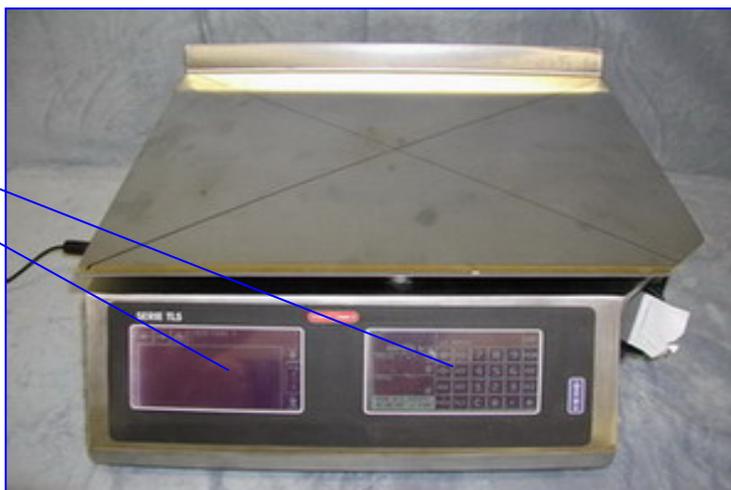
Tested By: S. Boyd (CA)

Fabricantes de Basculas Torrey, S.A. de C.V.
Computing Scale, Digital Electronic
Models: TLS-Series

Label
under
platter



Front View
Operator
display



Back View
Customer
display

