

TEC Electronic Computing Scale

# **SL-4700 SERIES**

**Owner's Manual** 



#### **TOSHIBA TEC CORPORATION**

# (6

#### **Declaration of Conformity**

Manufacturer	TOSHIBA TEC
Туре	SL-4700
No. of EC type approval certificate	T5982

Corresponds to the requirements of the following EC directives:

Non-Automatic Weighing Instruments	Directive 90/384/EEC <sup>1</sup>
EMC Directive	EMC 89/336/EEC
Low Voltage Directive	LVD 73/23/EEC

The applicable harmonised standards are:	EN 45 501
	EN50 081-1
	EN 60 950

#### **EMC Compliance**

This is a class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Note 1: This declaration is only valid if the non-automatic weighing instrument was verified by the manufacturer **or** with a certificate of conformity issued by a notified body.

## Contents

page no.

1	Warnings	5
2	Specifications	8
3	Installation	10
4	Error Messages	15
5	Using the Scale	16
6	Management Mode	18
7	Before you call for service	22

#### CAUTION:

- 1. This manual may not be copied in whole or in part without prior written permission of TOSHIBA TEC.
- 2. The contents of this manual may be changed without notification.
- 3. Please refer to your local Authorised Service representative with regard to queries you may have in this manual.

## 1 Warnings



For your protection, all mains (110V or 230V) equipment used where damp or wet conditions may occur, must be supplied from a correctly fused source and protected by an approved RCD to BS7071 or BS7288 or IEC1008-2-2 BS EN 61008:1995. IF IN DOUBT SEEK ADVICE FROM A QUALIFIED ELECTRICIAN.

To avoid the possibility of electric shock or damage to the machine, always isolate from the mains power supply before carrying out any routine maintenance.

#### Cleaning the scale

Harsh abrasives, solvents, scouring cleaners and alkaline cleaning solutions, such as washing soda, should not be used especially on the display windows. Under no circumstances should you attempt to wipe the inside of the machine.

The outside of the machine may be wiped down with a clean cloth moistened with water containing a small amount of washing up liquid.

#### Safety Summary

Personal safety in handling or maintaining the equipment is extremely important. Warnings and Cautions necessary for safe handling are included in this manual. All warnings and cautions contained in this manual should be read and understood before handling or maintaining the equipment. Do not attempt to effect repairs or modifications to this equipment. If a fault occurs that cannot be rectified using the procedures described in this manual, turn off the power, unplug the machine, then contact your authorized TOSHIBA TEC representative for assistance.

#### Meanings of Each Symbol



This symbol indicates warning items (including cautions). Specific warning contents are drawn inside the  $\triangle$  symbol. (The symbol on the left indicates a general caution.)



This symbol indicates prohibited actions (prohibited items). Specific prohibited contents are drawn inside or near the ⊘ symbol. (The symbol on the left indicates "no disassembling".)



This symbol indicates actions which must be performed. Specific instructions are drawn inside or near the \$symbol. (The symbol on the left indicates "disconnect the power cord plug from the outlet".)

**WARNING** This indicates that there is the risk of **death** or **serious injury** if the machines are improperly handled contrary to this indication.





## 2 Specifications

Item	SL-4700-US
Weigh capacity	30lb x 0.01lb
Tare capacity (maximum)	15lb
Display	4 digits LCD
Power requirement	AC 120V ± 10%, 60Hz
Operating temperature	14° F to 104° F
Operating humidity	0% to 95% RH (non-condensing)
Dimensions (appox.)	
Built-in type	13.78"(W) x 11.81"(D) x 3.43"(H)
Remote display type	
Scale unit	13.78"(W) x 11.02"(D) x 3.43"(H)
Display unit	5.98"(W) x 2.32"(D) x 15.35"(H)
Platter	13.78"(W) x 11.02"(D)
Weight (approx.)	Built-in type: 9.5lb
	Remote display type: 10.6lb
Interface	RS-232C, TEC parallel

Item	SL-4700-CA/QP/AU
Weigh capacity	15kg x 5g
Tare capacity (maximum)	7.5kg
Display	5 digits LCD
Power requirement	CA: AC 120V ± 10%, 60Hz QP: AC 230V ± 10%, 50Hz (AC adaptor option) AU: AC 100V to 240V, 47Hz to 63Hz
Operating temperature	-10° C to 40° C
Operating humidity	0% to 95% RH (non-condensing)

Dimensions (appox.)	
Scale unit	350mm(W) x 280mm(D) x 87mm(H)
Display unit	152mm(W) x 59mm(D) x 390mm(H)
Platter	350mm(W) x 280mm(D)
Weight (approx.)	4.8kg
Interface	RS-232C, TEC parallel

#### **Options and accessories**

Options	
AC adaptor for QP model	EU plug
	UK plug
Accessories	
TEC parallel cable for TD/ TP models	
AC adaptor for US/CA/AU	models

#### 3 Installation



#### Connections





#### Cable routing



#### Securing cable clips



#### 4 Error Messages

E CU s	cale locks up, o cale to the pow	rror message app disconnect then re rer supply. If the s tact your authoris	econnect the scale remains
Disp over		- Weight nsteady	Balance failed
	nder nge	Over range	
Display overflow error			
The load on the weighpan exceeds the scale capacity.			
Balance failed error			
On power up the weight is out of the allowed zero range. Check there is no load or debris on the weighpan.			
Error codes:			

- E 10 Battery failure. Replace the batteries.
- **E 30** Management mode not exited correctly. Re-enter Management mode and repeat the procedure.
- E 35 Prohibited function.
- E 151 Configuration change in Management mode has failed. Re-enter Management mode and repeat the procedure
- E 152 Prohibited function.

Contact your authorised service agent if the scale remains inoperative or you see any other error message code.

#### 5 Using the Scale

#### Testing the display

	Net <b>0 0 0 0 0 0 8</b> / kg C⊃ <b>0 0 0 0 0 0 8</b> / 100g -0+ ▼ ▼ 1b ▼ ▼ oz ¼ lb	
Press		
	LCD	

#### **Displaying service information**



#### To reset the machine



#### Zeroing the scale



#### Weighing goods



#### 6 Management Mode

#### Entering management mode



#### Navigating management mode

Branch -	l295 - Sub-branch I - Value	For Example: -Branch ( 12) -Sub-branch (98) -Branch ( 13) -Sub-branch (00) -Sub-branch (01)	
	Go to the next branch (press and hold). Go to next sub-branch.		
	Go to the previous branch (press and hold). Go to previous sub-branch.		
с	Sets the value to 0 enabling you to display a new value. Return to Branch 00 (press and hold).		
<b>▲</b> 0 <b>←</b>	Displays the value. Press again to re-display the branch / sub-branch.		
	press increments the	to be changed each key value displayed. the key increments the	
	<b>Note:</b> After changing a the next branch to acc	a value, you must go to ept the value.	

#### Example



#### Switching the bleeper alarm on/off

Go to branch 19, Sub-branch 00  
$$19,00$$
 0 = Off  
 $1$  1 = On

#### Switching the keyboard bleeper on/off

#### Target bleep

Branch 19, Sub-branch 02 - Not applicable for this machine.

#### **Error bleeper**

Go to branch 19, Sub-branch 03 0 = Off 1 = On

#### Changing the bleeper volume

Go to branch 19, Sub-branch 04 904 0 = Quiet 1 = Loud

#### **Backlight timeout**

Branch 20, Sub-branch 00 - Not applicable for this machine.

#### Sleep timeout

Branch 20, Sub-branch 01 - Not applicable for this machine.

#### Sleep key enable

Branch 20, Sub-branch 02 - Not applicable for this machine.

#### LED display brightness

Branch 20, Sub-branch 03 - Not applicable for this machine.

# Changing the duration of a 'Long' press (press and hold)

Go to branch 29, Sub-branch 00 Enter a value in units of 10 milliseconds (50 - 255). For example: 200 = 2 seconds  $150 = 1\frac{1}{2}$  seconds 100 = 1 second

#### Enabling key timeout

Go to branch 74, Sub-branch 01 740 I 0 = Disabled I 1 = Enabled

#### Changing the timeout period

Go to branch 74, Sub-branch 02 7402 Enter a value in units of 10 milliseconds 20 (1 - 255). For example: 200 = 2 seconds  $150 = 1\frac{1}{2}$  seconds 100 = 1 second

#### 7 Before you call for service

It is our primary concern to give you full satisfaction and better service. If, however, any problem arises in connection with the operation of this scale, please check the following points before calling for service.

- Is the power plug fully plugged into an AC outlet?
- Is the AC power being properly supplied to the outlet? (Check it using another electrical appliance.)
- Check the circuit breaker.
- Has there been a power failure of any sort?

**WARNING:** This scale has been manufactured under strict quality control. If you have trouble, however, DO NOT ATTEMPT TO FIX IT BY YOURSELF. Disconnect the power supply and contact your TOSHIBA TEC representative.



