



# DC-530

*Counting Scale*

*Version 2.01*

# Operation Manual



<b>1.0</b>	<b>Introduction.....</b>	<b>1</b>
1.1	Capacities and Resolutions .....	1
1.2	Modes of Operation .....	2
1.3	Keyboard and Display .....	2
1.3.1	Display Specifications .....	2
1.3.2	Indicator Lamps .....	2
1.3.3	Display Elements .....	3
1.3.4	Key Functions .....	4
<b>2.0</b>	<b>Installation .....</b>	<b>6</b>
2.1	Unpacking .....	6
2.2	Repacking .....	6
2.3	Setting Up .....	7
2.4	Powering Up the DC-530 .....	7
2.4.1	AC Power Cord and On/Off Switch .....	7
2.4.2	Start-Up Screens .....	8
2.5	Setting the Date and Time .....	8
2.6	Replacement Parts .....	9
2.7	Scale Dimensions .....	9
<b>3.0</b>	<b>Configuration Settings .....</b>	<b>10</b>
3.1	Configuring Customer Specifications .....	10
3.2	Configuring Weight and Measurement Specifications (Dealer/Technician Maintenance) .....	13
<b>4.0</b>	<b>Calibration .....</b>	<b>20</b>
<b>5.0</b>	<b>Scale Operations.....</b>	<b>22</b>
5.1	Factors Affecting Counting Scale Accuracy .....	22
5.2	Teraoka Error Prediction (TEP) Function .....	23
5.3	The Mode Menu Screen .....	23
5.4	Tare Operation .....	23
5.4.1	One-Touch Tare, Tare Unknown .....	23
5.4.2	Digital Tare, Tare Weight Known .....	24
5.4.3	Tare Value Accumulation and Subtraction .....	24
5.4.4	Tare Accumulation .....	25
5.4.5	Tare Subtraction .....	25
5.5	Operations in Normal Counting Mode .....	25
5.5.1	Normal Counting Mode - Unit Weight Operation by Sampling .....	25
5.5.2	Normal Counting Mode - Unit Weight Operation by Key Entry .....	26
5.5.3	Normal Counting Mode - Part Accumulation and Part Subtraction .....	27
5.5.5	Normal Counting Mode - Part Subtraction .....	28
5.5.6	Normal Counting Mode - Negative Counting .....	29
5.5.7	Counting Out of a Full Container - See Total Amount Remaining in the Container .....	30
5.5.8	Negative Counting - Total Removed Displayed at the End .....	30
5.5.9	Normal Counting Mode - Clearing Accumulated Data .....	30
5.6	Operations in TEP (Teraoka Error Prediction) Mode .....	30
5.6.1	TEP Mode - Unit Weight Operation by Sampling .....	30
5.6.2	TEP Mode - Unit Weight Operation by Key Entry .....	33
5.6.3	TEP Mode - Parts Counting .....	33
5.6.4	TEP Mode - Part Accumulation and Part Subtraction .....	34
5.6.5	TEP Mode - Negative Counting .....	35
5.6.6	TEP Mode - Clearing Accumulated Data .....	35
5.7	Toggle Between Scales .....	35
5.8	Recalling Item Codes in Counting Mode .....	35

---

5.9	Sample, Count and Print a Label . . . . .	35
5.10	Scan ID Bar Code, Count and Print a Label . . . . .	36
<b>6.0</b>	<b>Scale Programming.....</b>	<b>37</b>
6.1	Programming a New Item Code (Item Registration) . . . . .	37
6.2	Updating the Record of an Existing Item . . . . .	39
6.2.1	Update the Unit Weight of an Existing Item From the Counting Mode . . . . .	39
6.2.2	Update the Tare Weight of an Existing Item From the Counting Mode. . . . .	39
6.2.3	Update an Existing Item From the Programming Mode. . . . .	40
6.3	Deleting Item Codes . . . . .	42
6.3.1	Clearing an Individual Field . . . . .	42
6.3.2	Deleting a Single Item Code . . . . .	42
6.3.3	Deleting All Item Codes. . . . .	43
6.4	Setting a General Setpoint . . . . .	44
<b>7.0</b>	<b>External Devices: Printers, PCs, Scanners and Scales .....</b>	<b>46</b>
7.1	Printer Connection. . . . .	46
7.1.1	Zebra LP2824. . . . .	46
7.1.2	Epson TM-U220 Tape Printer or Epson TM-U295 Ticket Printer . . . . .	47
7.2	Printer Label Formats . . . . .	47
7.2.1	No Printer . . . . .	47
7.2.2	ZEBRA LP2844 Barcode Printer . . . . .	48
7.2.3	Epson TM-U220 Tape Printer . . . . .	49
7.2.4	Epson TM-U295 Ticket Printer . . . . .	49
7.3	Connecting to a PC . . . . .	49
7.3.1	Setting the Scale Specifications for Communication to a PC. . . . .	49
7.3.2	Communication Method . . . . .	49
7.3.3	Pin Assignments . . . . .	50
7.3.4	Data Formats . . . . .	50
7.3.5	Output Data Formats With Headers . . . . .	51
7.3.6	Output Data Formats Without Headers . . . . .	51
7.4	Setpoint Connector . . . . .	52
7.5	Bar Code Scanner. . . . .	52
7.6	Remote Scale Channel . . . . .	53
7.6.1	Setting the Specifications for Scale 2 . . . . .	53
7.6.2	Remote Platforms Available . . . . .	54
<b>8.0</b>	<b>Appendices .....</b>	<b>55</b>
8.1	Error Message List. . . . .	55
8.2	Troubleshooting. . . . .	56
8.3	Specifications . . . . .	57
<b>9.0</b>	<b>DC-530 Limited Warranty.....</b>	<b>58</b>

This is a “Table of Contents preview” for quality assurance

The full manual can be found at <http://the-checkout-tech.com/estore/catalog/>

We also offer free downloads, a free keyboard layout designer, cable diagrams, free help and support.

<http://the-checkout-tech.com> : *the biggest supplier of cash register and scale manuals on the net*