

Service Manual – CL5000 Series REV NO : 1

CL5000 Series

Service Manual
(English)

Rev. 2009. 06. 18

LAST Rev. NO : 1

LAST Rev. Date : 2009. 06. 02

Table of Contents

1. Proper Operation.....	5
1.1 Introduction.....	5
1.2 Model and Specificationl	6
1.3 Environmental Conditions & Safety.....	7
1.4 Leveling and Footer Location	8
1.5 Power Outlet and Requirements	10
2. Classification.....	11
2.1 Scale Overview	11
2.2 Display and Indicators	13
2.3 Printer.....	15
2.4 Communication.....	16
2.5 Key Pad.....	17
3. Getting Started.....	18
3.1 Sealing Method	18
3.2 Installation of the Label Roll	19
3.3 Turning Power On/Off	21
3.4 Program Menu and Tree	22
3.4.1 How to access PROGRAM MODE.....	22
3.4.2 Program Menu Tree.....	23
3.4.3 Calibration Menu Tree	25
4. Calibration Mode.....	26
4.1 Calibration.....	26
4.1.1 Span Calibration (Menu Code 8110).....	27
4.1.2 Span/Zero Fine Adjust (Menu Code 8120).....	28
4.1.3 Capacity & Units (Menu Code 8130).....	30
4.1.4 Gravity Constant (Menu Code 8140).....	31
4.1.5 Percent Calibration (Menu Code 8150).....	32
4.1.6 Linearity Adjust (Menu Code 8160)	33
4.1.7 Zero & Tare Setting (Menu Code 8170)	34
4.2 Factory Setting (Menu Code 8180).....	35
4.2.3 A/D Initialize (Menu Code 8183).....	35
4.2.4 Linearity Fine Adjust (Menu Code 8184).....	36
4.2.5 Hysteresis Calibration (Menu Code 8185)	37
4.2.6 Creep Setting (Menu Code 8186)	38
4.2.7 A/D firmware (Menu Code 8187).....	38
4.3 Memory Clear	39
4.3.1 Clear Report (Menu Code 8211).....	39

Service Manual – CL5000 Series REV NO : 1

4.3.2	Clear All PLU (Menu Code 8212)	39
4.3.3	Clear All Table (Menu Code 8213)	39
4.3.4	Clear Report, PLU, Table (Menu Code 8214)	39
4.3.5	Flash All Clear (Menu Code 8215)	39
4.4	Scale Type	40
4.5	Printer Hardware	41
4.5.1	Print Mode (Menu Code 8310)	41
4.5.2	Label/Ticket Size (Menu Code 8320)	41
4.5.3	Sensor Calibration (Menu Code 8330)	42
4.5.4	Sensor & Motor (Menu Code 8340)	42
4.5.5	Print Intensity (Menu Code 8350)	42
4.5.6	Adjust Feed Length (Menu Code 8360)	42
4.5.7	Label Pre-print (Menu Code 8370)	42
4.5.8	Printer Initialize (Menu Code 8380)	42
4.6	Network Options	43
5.6.1	Enable Interface (Menu Code 8410)	43
4.7	Self Test	43
4.7.1	Display Test (Menu Code 8510)	43
4.7.2	A/D Test (Menu Code 8520)	43
4.7.3	Keyboard Test (Menu Code 8530)	44
4.7.4	Chess Print (Menu Code 8540)	45
4.7.5	Printer Sensor Test (Menu Code 8550)	45
4.7.6	Memory Information (Menu Code 8560)	46
4.7.7	Firmware Version (Menu Code 8570)	46
4.7.8	Cash Drawer Test (Menu Code 8580)	46
4.7.9	Communication Test (Menu Code 8590)	47
5.	Servicing & Parts Replacement	48
5.1	Platform Safety Overload Adjustment	49
5.2	Removing the Upper Case	50
5.3	Main board Replacement	52
5.4	Power Supply Replacement	53
5.5	Load Cell & AD Converter Replacement	54
5.6	Print Assembly Replacement	55
5.7	Display Replacement	56
5.8	Keyboard Replacement A,B(with/without breaking sealing)	57
6.	Installing Options	58
6.1	Installing Ethernet Card	58
6.2	Installing Wireless Lan Card	59
6.3	Installing Memory Expansion Card	59

Service Manual – CL5000 Series REV NO : 1

7. Update	60
7.1 F/W update	60
8. Schematic & Diagrams	62
8.1 System Block Diagram	62
8.2 Connection Diagram.....	63
8.3 I/O Pin Connection.....	64
8.4 Main PCB.....	65
8.5 A/D PCB	69
8.6 Display PCB	70
8.7 I/O PCB.....	76
8.8 Printer I/O PCB.....	77
8.9 Slot PCB	78
8.10 Extension Memory PCB	79
8.11 Wired LAN PCB	80
8.12 Wireless LAN PCB.....	81
8.13 CF Card PCB.....	82
9. Exploded Views	83
9.1 Scale Assy (B,P,R,G-type).....	83
9.2 Scale Assy (H-type).....	84
9.3 Body Assy (B,P,R,G-type)	85
9.4 Body Assy (H-type)	86
9.5 Platform (B,P,R,G-type).....	87
9.6 Main Frame (H-type)	88
9.7 I.O cover (H-Type).....	89
9.8 Upper Case.....	90
9.9 Pole display (R-type)	91
9.10 Pole display (P-type)	92
9.11 Pole display (G-type).....	93
9.12 Printer Assembly	94
9.13 Printer Header Assemble.....	95
9.14 Cartridge	96
9.15 Tray assembly (B,P,R,G-type)	97
9.16 Tray assembly (H-type)	98
9.17 Lan card	99
10. Part List.....	100
10.1 Electronic	100
10.2 Mechanical	100
11. Revision	101

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

The full manual can be purchased from our store:

<https://the-checkout-tech.com/manuals/CAS/CL-5000> Series service and calibration man

And our free Online Keysheet maker:

<https://the-checkout-tech.com/Cash-Register-Keysheet-Creator/>

[HTTPS://THE-CHECKOUT-TECH.COM](https://THE-CHECKOUT-TECH.COM)