



# *Model S630 Digital*

## *Counting Scale*

### Operation & Calibration Manual

Revision 1.0  
July, 2003

Contents subject to change without notice.

Salter Brecknell Weighing Products.  
1000 Armstrong Drive  
Fairmont, MN 56031  
Tel (800) 637-0529  
Tel (507) 238-8702  
Fax (507) 238-8271  
E-mail: [sales@salterbrecknell.com](mailto:sales@salterbrecknell.com)  
Web: [www.salterbrecknell.com](http://www.salterbrecknell.com).

## TABLE OF CONTENTS

	<u>Page</u>
Chapter 1: Introduction to the Salter Brecknell S630 Series Digital Counting Scale.....	1-1
Chapter 2: Getting Started .....	2-1
Chapter 3: Basics of Operation .....	3-1
3.1 Display.....	3-1
3.1.1 Vacuum Fluorescent Display (VFD).....	3-1
3.2 Keyboard .....	3-2
3.2.1 Function and Numeric Keys .....	3-2
3.3 General Scale Operation.....	3-2
3.3.1 Weighing an Item .....	3-2
3.3.2 Taring an Item of Unknown Weight.....	3-3
3.3.3 Taring an Item of Known Weight.....	3-3
3.3.4 Clearing a Tare.....	3-3
3.3.5 Piece Counting .....	3-3
3.3.6 Clearing the Piece Count.....	3-4
Chapter 4: Advanced Features and Operation.....	4-1
4.1 Average Piece Weight Entry.....	4-1
4.1.1 APW Entry from Scale.....	4-1
4.1.2 APW Entry from Remote Scale.....	4-1
4.2 Memory Accumulator .....	4-1
4.2.1 Displaying the Memory Accumulator .....	4-1
4.2.2 Adding to the Memory Accumulator .....	4-1
4.2.3 Clearing the Memory Accumulator .....	4-1
4.3 Using the Target Value.....	4-2
Chapter 5: Configuration .....	5-1
5.1 Configuration Overview .....	5-1
5.2 Setup ("F") Menu .....	5-1
5.3 User ("A") Menu.....	5-1
5.3.1 Entering the User Menu.....	5-1
5.3.2 Navigating in the User Menu .....	5-1
5.3.3 Exiting the User Menu .....	5-2
5.4 User Menu Procedures .....	5-4
5.4.1 ID Number Entry (A8) .....	5-4
5.4.2 LF (Line Feeds) Number Entry (A9) .....	5-4

Chapter 6:	Calibration .....	6-1
6.1	Calibration Overview .....	6-1
6.2	Calibration Mode .....	6-1
Appendix A:	Specifications .....	A-1
Appendix B:	Serial Port Information.....	B-1
B.1	COM1 Serial Port .....	B-1
B.1.1	Connecting the Serial Device .....	B-1
B.1.2	Default Print Format .....	B-2
B.1.3	Full Duplex Modes for COM1 .....	B-2
B.1.3.1	Demand Mode.....	B-2
B.1.3.2	Continuous Mode .....	B-3
B.1.4	Transmit APW Mode .....	B-3
Appendix C:	Error Messages .....	C-1
C.1	Error Messages .....	C-1
C.1.1	Operator Errors .....	C-1
C.1.2	Calibration Errors.....	C-2

## **LIST OF FIGURES**

1-1	S630 Series Front Panel .....	1-1
2-1	S630 Back Panel.....	2-1
2-2	Latitude Compensation Zones (USA) .....	2-2
3-1	S630 Display Detail .....	3-1
3-2	Function and Numeric Keys Layout .....	3-2
5-1	User Menu Key Assignments .....	5-2
5-2	User Menu Chart .....	5-2
B-1	Pin Assignments for COM1 Serial Port .....	B-1
B-2	Cable Diagram for Scale to Dot Matrix Printer .....	B-1
B-3	Cable Diagram for Scale to Computer .....	B-1
B-4	Default Print Format .....	B-2
B-5	Consolidated Controls Demand Mode .....	B-2
B-6	Consolidated Controls Continuous Mode.....	B-3

## **LIST OF TABLES**

1-1	S630 Series Product Matrix.....	1-1
3-1	S630 Series Annunciator Definitions.....	3-1
3-2	S630 Sampling Limits .....	3-4
5-1	User Menu Descriptions .....	5-3
6-1	Minimum / Recommended Calibration Test Weights .....	6-2
B-1	Recognized Host Commands .....	B-2

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