



TRANSCCELL TECHNOLOGY, INC.

TI-1500 Series

Digital Indicator

Setup / Operation Manual

Revision 1.6
March 15, 2005

© 1999-2005 Transcell Technology, Inc.

Contents subject to change without notice.

Transcell Technology, Inc.
975 Deerfield Parkway
Buffalo Grove, IL 60089
Tel (847) 419-9180
Fax (847) 419-1515
E-mail: transcell@transcell.net
Web: www.transcell.net

TABLE OF CONTENTS

	<u>Page</u>
Chapter 1: Introduction To The TI-1500 Series Indicators.....	1-1
Chapter 2: Installation	2-1
2.1 ABS Enclosure (TI-1500)	2-1
2.1.1 Connecting the weigh platform.....	2-1
2.1.2 Connecting the serial printer, remote display or computer	2-2
2.1.3 Connecting the power supply.....	2-2
2.2 Stainless Steel Enclosure (TI-1520)	2-3
2.2.1 Connecting the weigh platform.....	2-4
2.2.2 Connecting the serial printer, remote display or computer	2-4
2.2.3 Connecting the power supply.....	2-5
Chapter 3: Configuration	3-1
3.1 Configuration Overview	3-1
3.2 Setup (“F”) Menu	3-1
3.2.1 Entering the Setup Menu – ABS Enclosure	3-1
3.2.2 Entering the Setup Menu – Stainless Steel Enclosure	3-1
3.2.3 Navigating in the Setup Menu	3-2
3.2.4 Notes on the Setup Menu	3-3
3.2.5 Exiting the Setup Menu – ABS Enclosure.....	3-3
3.2.6 Exiting the Setup Menu – Stainless Steel Enclosure.....	3-3
3.3 User (“A”) Menu.....	3-3
3.3.1 Entering the User Menu	3-3
3.3.2 Navigating in the User Menu.....	3-3
3.3.3 Notes on the User Menu	3-5
3.3.4 Exiting the User Menu.....	3-5
Chapter 4: Setup Menu Descriptions and Procedures	4-1
4.1 Setup Menu Descriptions	4-1
4.2 Setup Menu Procedures	4-3
4.2.1 Custom Unit Multiplier (F11)	4-3

Chapter 5:	User Menu Descriptions and Procedures	5-1
5.1	User Menu Descriptions	5-1
5.2	User Menu Procedures	5-2
5.2.1	ID Number Entry (A5).....	5-2
5.2.2	Line Feeds Entry (A6)	5-3
5.2.3	Time Entry (A10)	5-3
5.2.4	Date Entry (A13).....	5-4
Chapter 6:	Calibration	6-1
6.1	Calibration Overview	6-1
6.2	Zero Calibration (F16).....	6-1
6.3	Span Calibration (F17).....	6-1
6.4	View Calibration Values (F18).....	6-2
6.5	Key-in Zero Calibration Value (F19)	6-2
6.6	Key-in Span Calibration Value (F20)	6-3
Chapter 7:	Operation.....	7-1
7.1	Display.....	7-1
7.1.1	Light Emitting Diode (LED) Display.....	7-1
7.2	Keyboard	7-2
7.2.1	Function Keys.....	7-2
7.3	General Scale Operation.....	7-2
7.3.1	Weighing an item.....	7-2
7.3.2	Taring an item	7-2
7.3.3	Piece Counting.....	7-3
Chapter 8:	Legal for Trade Sealing.....	8-1
8.1	ABS Enclosure	8-1
8.2	Stainless Steel Enclosure	8-1
Appendix A:	Specifications	A-1
Appendix B:	Serial Port Information.....	B-1
B.1	COM1 Modes	B-1
B.1.1	Full Duplex Mode	B-1
B.1.1.1	Recognized Host Commands.....	B-2
B.1.2	Print Ticket Mode	B-2
B.2	COM2 Mode	B-3
B.2.1	Simplex Mode.....	B-3

Appendix C: Determining Proper Span Gain (F2)	C-1
C.1 Span Gain Overview	C-1
C.2 Setting the initial value for span gain	C-1
C.3 Viewing the internal counts	C-1
Appendix D: Displayed Error Codes	D-1

LIST OF FIGURES

1-1 TI-1500 Front Panel	1-1
2-1 TI-1500 Rear Panel.....	2-1
2-2 Color Codes for Shielded Load Cell Cable	2-1
2-3 Pin Assignments for the Load Cell Port	2-1
2-4 Pin Assignments for the DSUB9 serial port connector	2-2
2-5 TI-1520 Main Circuit Board Overview	2-3
2-5a TI-1520 Main Circuit Board Overview – newer units	2-3
2-6 Connection Assignments for the Load Cell Terminal (J9)	2-4
2-7 Connection Assignments for all serial communication Terminals	2-4
2-7a Connection Assignments for all serial communication Terminals – newer units.....	2-4
3-1 Setup Menu Key Assignments.....	3-2
3-2 Setup Menu Chart.....	3-2
3-3 User Menu Key Assignments.....	3-4
3-4 User Menu Chart.....	3-4
4-1 Setup Menu Key Assignments.....	4-4
5-1 User Menu Key Assignments.....	5-2
6-1 Setup Menu Key Assignments.....	6-1
7-1 TI-1500/1520 LED Display Detail.....	7-1
7-2 Function Keys Layout	7-2
8-1 TI-1500 ABS Rear Panel	8-1
B-1 Cable Diagram for Indicator to IBM PC	B-1
B-2 Consolidated Controls Demand Mode.....	B-1
B-3 Print Ticket	B-3
B-4 Cable Diagram for Indicator to Printer	B-3
B-5 Consolidated Controls Continuous Mode	B-3

LIST OF TABLES

1-1 TI-1500 Series Product Matrix	1-1
4-1 Invalid Setup Selections for commercial applications.....	4-3
6-1 Calibration Value Table.....	6-2
7-1 TI-1500 Series Annunciator Definitions	7-1
C-1 Minimum Recommended Span Gain Table.....	C-2

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/transcell/TI-1500 Series setup and operation ma](https://the-checkout-tech.com/manuals/transcell/TI-1500%20Series%20setup%20and%20operation%20manual.pdf)

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)