
AIRLINE BAGGAGE SCALE

ABS 4100

Technical Reference Manual 2.0



CONTENTS

CHAPTER 1: INTRODUCTION	1
CONVENTIONS AND SYMBOLS.....	1
DISPLAY	2
<i>Annunciators</i>	2
KEYPAD	3
KEYPAD FUNCTIONS.....	3
SPECIFICATIONS.....	5
CHAPTER 2: INSTALLATION	7
MOUNTING.....	7
<i>Load Cell Connections</i>	10
<i>Serial Port Connections</i>	11
CHAPTER 3: ABS 4100 CONFIGURATION.....	15
SETUP MODE	15
SELECTION PARAMETERS.....	18
KEY-IN PARAMETERS.....	19
PARAMETER MAP.....	20
<i>Parameter Map Details</i>	22
CUSTOM TRANSMIT SETUP	28
<i>Elements of a Custom Transmit</i>	28
<i>Writing a custom transmit ASCII text file</i>	28
<i>Accessing Setup and Clearing Existing Custom Transmit</i>	28
<i>Entering ASCII Text</i>	29
<i>Entering ASCII Control Codes</i>	29
<i>Exiting Setup Mode and Saving Changes</i>	32
<i>Display Capture Utility</i>	33
GENERAL SETUP AND OPERATION	34
<i>Baggage Weighing and accumulation</i>	35
RS-485 MULTI-DROP NETWORK SETUP AND OPERATION.....	36
<i>Setup</i>	36
<i>Operation</i>	36
<i>Network Protocol</i>	37
CHAPTER 4: CALIBRATION MODE.....	39
SETUP MODE CALIBRATION	39
FAST CALIBRATION	39
PERFORMING CALIBRATION.....	40
<i>Establishing Zero</i>	40

<i>Establishing Span</i>	46
<i>Exiting Calibration</i>	46
CHAPTER 5: LEGAL-FOR-TRADE	49
NTEP REQUIREMENTS.....	49
OIML REQUIREMENTS.....	49
OTHER REQUIREMENTS.....	50
SEALING AND AUDIT TRAILS.....	50
<i>Physical Seal</i>	51
<i>Audit Trails</i>	52
CHAPTER 6: ABS 4100 OPTION	55
RS-485 NETWORKING.....	55
<i>Network Connections</i>	56
CHAPTER 7: TROUBLESHOOTING	60
ERROR MESSAGES	60
<i>Operational Errors</i>	60
<i>Setup Mode Errors</i>	61
<i>Hardware Errors</i>	62
<i>Calibration Errors</i>	62
<i>Communication Errors</i>	63
<i>Miscellaneous Errors</i>	63
VIEWING SETUP	63
INFORMATION MODE PARAMETERS	64
A/D CALIBRATION PROCEDURE	66

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/GSE/ABS-4100 technical reference manual.html](https://the-checkout-tech.com/manuals/GSE/ABS-4100%20technical%20reference%20manual.html)

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)