

---

PROGRAMMABLE INDICATORS AND PROCESS  
CONTROLLERS

# 60 SERIES



## User Guide

Version 3.0



# *CONTENTS*

## **CHAPTER 1: INTRODUCTION.....1**

COMMON WEIGHING APPLICATIONS.....	1
FEATURES.....	2
CONTROLLER DESCRIPTIONS .....	2
DISPLAY .....	3
KEYPAD.....	5
OPTIONS .....	9
SPECIFICATIONS.....	11

## **CHAPTER 2: INSTALLATION ..... 15**

TABLE-TOP USE.....	15
PANEL MOUNT USE .....	15
PERMANENT MOUNTING.....	15
ENVIRONMENT SUITABILITY .....	15
<i>Model 460 Outline Drawings .....</i>	17
<i>Model 465, 560, 562, 660, 661, 662 Outline Drawings .....</i>	18
<i>Model 663 Outline Drawings .....</i>	19
<i>Model 665 Outline drawings .....</i>	20
<i>Panel Mount Cutouts .....</i>	21

## **CHAPTER 3: CALIBRATION ..... 23**

QUICK CALIBRATION .....	23
<i>New Zero?.....</i>	24
<i>Last Zero?.....</i>	25
<i>Temp Zero?.....</i>	26
<i>Only Zero? .....</i>	26
<i>Cal Reset .....</i>	27
<i>Known Load Cell? .....</i>	28
SAVE CALIBRATION.....	29

## **CHAPTER 4: COUNTING MODE ..... 31**

COUNTING MODE (KEY OPERATION) .....	31
<i>Sampling to Determine a Piece Weight .....</i>	31
<i>Negative Sampling to Determine a Piece Weight .....</i>	32
PIECE WEIGHT ENHANCEMENT.....	32
KNOWN CONTAINER WEIGHT .....	33
AUTOMATIC SCALE SELECT (WITH MORE THAN ONE WEIGHING PLATFORM)33	
COUNTING MODE LISTING .....	34

## **CHAPTER 5: ACCUMULATION MODE ..... 35**

PERFORMING ACCUMULATIONS.....	35
INITIALIZING ACCUMULATION TOTALS .....	35
<b>CHAPTER 6: ADDITIONAL OPERATING MODES.....</b>	<b>37</b>
PIECE WEIGHT DATABASE MODE – APW LOOKUP .....	37
<i>Store APW – Store a specific APW to the database – Must Perform a sample before using.....</i>	37
<i>Get APW – Retrieve a specific APW from the database.....</i>	37
<i>Print APW's – Prints all stored records in row/column format. ....</i>	38
<i>Clear One APW – Clears current record from the database. ....</i>	38
<i>Clear All APW's – Clears all records from the database.....</i>	38
TRUCK IN/OUT (MODELS 465,560,562 AND 660 SERIES).....	39
<i>TRUCK IN.....</i>	39
<i>TRUCK OUT .....</i>	39
<i>PRINT ID'S? .....</i>	39
<i>CLEAR ONE ID.....</i>	39
<i>CLEAR ALL .....</i>	40
<i>STORE TRUCK IN TARE WEIGHT .....</i>	40
CHECK WEIGH ABSOLUTE AND PERCENTAGE OPERATION .....	41
<i>Set the Hi and Lo weights (460) .....</i>	41
<i>Use Check Weigh (460) .....</i>	41
<i>Set the Hi and Lo weights (465,560,562 and 660 Series).....</i>	41
<i>Use Check Weigh.....</i>	41
BATCHING OPERATION (465,560 AND 562) - FILL .....	42
<i>Setting setpoints, preact, and dribbles.....</i>	42
<i>Batching.....</i>	42
<b>CHAPTER 7: TIME AND DATE (CLOCK FEATURE).....</b>	<b>43</b>
VIEWING TIME AND DATE .....	43
ENTERING A NEW TIME AND DATE (EXCLUDING MODEL 460) .....	43
ENTERING A NEW TIME AND DATE (MODEL 460).....	44
<b>CHAPTER 8: LEGAL-FOR-TRADE.....</b>	<b>45</b>
OIML AND INTERNATIONAL OPERATION .....	45
NTEP .....	46
<i>Enabling NTEP Operation .....</i>	46
<i>NTEP Custom Setup .....</i>	47
<i>Sealing and Audit Trails.....</i>	49
<b>CHAPTER 9: TROUBLESHOOTING .....</b>	<b>57</b>
OPERATIONAL MODE ERROR MESSAGES .....	57

SETUP MODE ERROR MESSAGES.....	58
HARDWARE PROBLEM ERROR MESSAGES .....	59
CALIBRATION ERROR MESSAGES.....	60
GENERAL ERROR MESSAGES .....	61
MISCELLANEOUS MESSAGES .....	62
COMMUNICATIONS ERROR MESSAGES.....	62
TROUBLE-SHOOTING .....	63
SERVICE.....	63

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/60 series user manual.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)