

CHAPTER 1

INTRODUCTION

1-1 Welcome

The **JIF-2002** weighing indicator is a model of breakthrough high resolution. With set-point codes, this model makes batching control an easy task. With relatively compact size, JIF-2002 performs a remarkable accuracy and speed.

With sincere gratitude for your using our products, once any question or problems occurred, please contact us immediately for further services.

1-2 Features

JIF-2002 Weighing Indicator & Controller Features:

- 1/16,000 display resolution (Max. 1/ 60,000 depending on load cell quality & performance).
- Internal Resolution 1,000,000, A/D Conversion rate 120 times/ Sec.
- Watchdog virtually eliminates malfunctions that associated with computerized equipment or software failure.
- Full Digital Calibration makes setting ZERO and SPAN Calibration an easy task.
- Drives up to 8 parallel connecting load cells.
- 8k bytes SRAM with Li-battery backup.
Information will not disappear even power failure.
- The settings of function and weighing parameters are all stored in the EEPROM, with storage duration over 40 years.
- Important values and parameters can have storage backup.
- Users can adjust the intensity of digits filter to avoid mechanical vibration that caused by external environments to achieve high-speed and accurate measurement.
- Set point codes can store up to 100 sets of : Final, SP1, SP2, Free Fall, HI, LO.

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- Automatic Free Fall Compensation provides closer tolerance and precise weighing.
 - 8 Set of control Input:
 - ①ZERO Input, ②TARE Input, ③Tare reset, ④Start batch,
 - ⑤Abort batch, ⑥Print Accumulator, ⑦Print Input,
 - ⑧ Clear
 - ACC. & COUNT.
 - 8 Set of control Output:
 - ①ZERO Band output, ②SP1 output, ③SP2 Output,
 - ④(Final-Free Fall) output, ⑤HI output, ⑥LO output,
 - ⑦Final Output, ⑧MD/Error output.
 - 5 batching modes:
 - ①Customer Programmed Control Mode: Normal Batching,
 - ②Customer Programmed Control Mode: Loss-in-weight Batching,
 - ③Built-in Automatic Program Mode: Normal Batching,
 - ④Built-in Automatic Program Mode: Loss-in-weight Batching,
 - ⑤Multiple-Ingredient Batching.
 - Standard Serial Output (20mA Current Loop) for remote display.
 - Optional printer interface can automatically print or output data includes date, time, set point code, serial number, weight, and unit.
 - Optional:
 - OP-01 I/O Interface
 - OP-02 RS-232 or RS422/485
 - OP-03 Printer Interface
 - OP-04 Binary Coded Decimal
 - OP-05 Analog Output 4 20 mA
 - OP-06 Analog Output 0 10 V

1-3 System Function Introduction

SYSTEM CHECK :

CHECK DISPLAY
CHECK SARM, EEPROM
CHECK INPUT, CODE
CHECK OUTPUT
CHECK KEY

SETTING FUNCTIONS:

SETTING GENERAL FUNCTIONS (F0XX, FCXX)
SETTING CONTROLS (F1XX)
SETTING SERIAL INTERFACE (F2XX)
SETTING PRINTER (F3XX)
PARALLEL OUTPUT (BCD) (F4XX)
ANALOGUE OUTPUT (F5XX) (4 20 mA , 0 10 V)

CALIBRATION:

CAL
Setting Minimum Division
Setting Decimal
Setting Maximum Capacity
ZERO Adjust
SPAN Adjust

KEY LOCK:

Disable unimportant or useless keys.

SYSTEM PARAMETER BACKUP:

JIF-2002 another copy of preset parameters.

SYSTEM PARAMETER RESTORATION:

Restore preset parameters.

SYSTEM INITIALIZE:

Re-install resets the JIF-2002 to the initial factory setting and starts the operation.

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.

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