

# **CHAPTER 1**

# **INTRODUCTION**

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# 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

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# 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 purchased from our store:

[https://the-checkout-tech.com/manuals/jadever/JIF-2002 user manual.html](https://the-checkout-tech.com/manuals/jadever/JIF-2002%20user%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)