

IMC-1 In-motion Checkweighing System



*Controller shown
with intermediate belt
system*

*Complete system
includes: controller,
scale, and conveyor.*



SEE BACK OF PAGE FOR CONVEYOR OPTIONS

The IMC-1 In-motion Checkweighing System offers consistent performance along with the versatility needed in today's process control applications. This checkweigher features a vivid 4.3" x 5" easy-to-read LCD display with an adjustable backlight and bold, one-inch characters that read in either gross or net, pounds or kilograms. In addition, a full alphanumeric keyboard makes programming precise and easy even for someone with limited operating experience.

Rice Lake's checkweigher was designed with the future in mind, offering three expansion slots to add serial communication cards and closed loop feedback circuits, depending on your needs. This system can easily accommodate conveyors from 28" through 5'6" long at speeds up to 200' per minute.

Offering 75 discrete product setups, this is one of the most flexible checkweighing systems on the market. Each setup is clearly described with its own set of menu-driven, on-screen instructions. Looking further into this system's capabilities, the IMC-1 can also be configured to operate as a random package checkweigher and offers password-enabled access to protect calibration.

Applications

- Automated control of package processing
- In-motion variable box, carton, and package weighing
- Industrial or retail applications requiring in-motion weighing of products (food, pharmaceutical, automotive, and apparel)

Standard Features

Controller:

- NEMA 4X enclosure and keypad
- 115 VAC operation
- Large 1" (25.4mm) Liquid Crystal Display (LCD) weight display
- Displays weight in either gross or net, lb or kg
- Easy-to-use menu-driven display
- Full alphanumeric keyboard
- Front panel display counters
- 75 discrete product setups
- Password-enabled access to protect calibration
- Built-in diagnostics
- Trend alarms
- Five-zone relay output
- Reject outputs with timers
- Product name and lot number entries
- Time and date
- Self-charging memory backup system
- Maximum production rate—40 units per minute

Conveyor:

- 28" through 5'6" long
- Friction surface or food grade V-guide belt
- Easy-to-replace spliced belt
- Heavy-duty slider bed construction
- Dynamically-balanced pulleys
- 1/2 HP gear motor and drive belt, TE FC rating
- Mild steel construction
- Minimum overall height of 16"
- 14" belt

Scale:

- Rugged, single load cell design
- Stainless steel flexures
- Easy to install and maintain

Options/Accessories

Consult factory for these additional options:

- Custom support stand
- Special conveyor lengths 28" to 47" or 49" to 60"
- Special stainless steel coatings available
- Statistical analysis package
- Additional operating manual

IMC-1
System Questionnaire
& Demo CD Available
Upon Request

CONTROLLER:**DISPLAY:**

1" (25.4mm) weight display characters; 4.3" W x 5" H
(109mm W x 127mm H) Liquid Crystal Display (LCD)

KEYBOARD:

Full alphanumeric keypad

VOLTAGE:

115 VAC

FREQUENCY:

50/60 Hz

RELAY OUTPUT:

24 VDC to 115 VAC

REAL TIME CLOCK:

Time and date are standard

CAPACITY:

10 lb to 120 lb

DISPLAYED RESOLUTION:

0.02 lb, 0.01 kg

TYPICAL ACCURACY:

± 0.05 lb, 0.03 kg (@ 2 Sigma)

TYPICAL REPEATABILITY:

± 0.03 lb (@ 2 Sigma)

RELAY OUTPUT:

Five-zone

OVERALL DIMENSIONS:

16.8" H x 14" W x 8" D (406mm H x 355mm W x 203mm D)

SHIPPING WEIGHT:

25 lb (11.34 kg)

WARRANTY:

Two year limited warranty

CONVEYOR:**SPEED:**

0 to 280' (0 to 85.3 m) per minute
0 to 210' (0 to 64 m) per minute

PRODUCTION RATES:

0 to 350 units per minute
0 to 60 units per minute

VOLTAGE:

115 or 230 VAC

OVERALL DIMENSIONS:

Application dependent

SHIPPING WEIGHT:

Application dependent

WARRANTY:

Two year limited warranty

SCALE:**CAPACITY:**

Up to 500 lb

LOAD CELL:

High-alloy tool steel, double chrome over nickel

OVERALL DIMENSIONS:

Application dependent

APPROVALS:

NTEP certified at 5,000 Divisions, Class III, CC#95-062

SHIPPING WEIGHT:

Application dependent

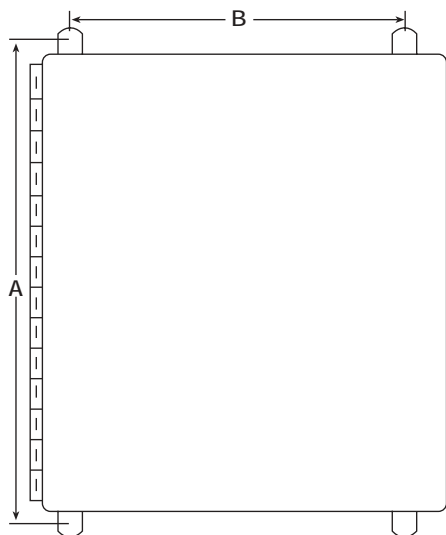
WARRANTY:

Two year limited warranty

DIMENSIONS**Controller:**

A = 12" (304mm) B = 19.9" (429mm)

Consult factory for Conveyor and Scale dimensions



**HEAVY DUTY
BELT SYSTEM**



**HIGH-SPEED
CHAIN SYSTEM**



**INTERMEDIATE
BELT SYSTEM**



**HIGH-SPEED
BELT SYSTEM**