CARDINAL®

CIM
100 | 200
SERIES

*Includes Weight
Indicator for
Checkweighing Controls*

CONTINUOUS
IN-MOTION
CHECKWEIGHERS

- **Enhance Quality Control**
- **Improve Productivity**
- **Improve Throughput**
- **Control your Bulk Packaging of Products**
- **Reduce Labor**

Cardinal Scale's CIM100/CIM200 Continuous In-Motion Checkweighers keep your production line humming to reduce labor costs while providing an accurate weight of each package. Available in your choice of two conveyor sizes, the In-Motion Checkweigher blends seamlessly into your line for fast, efficient weighing. A number of options are available to customize the CIM100/CIM200 to fit your specific application, whether it's packages, parts, or food handling.

Cardinal®
Cardinal Scale Manufacturing Co.

The CIM series in-motion checkweighers use Cardinal Scale's CB stainless steel bellows type load cells that are environmentally protected and use a proven bending-beam design.

SCALE CONVEYOR SPECIFICATIONS

- ■ **Mild steel construction, powder paint**
- ■ **Anti-static polyester fabric conveyor belt**
- ■ **Dimensions:**
  36" L x 24" W x 30" H / 91cm L x 61cm W x 81cm H
  48" L x 24" W x 30" H / 122cm L x 61cm W x 81cm H
- ■ **Height adjustable: ±2"**
- ■ **Factory set belt speed up to 120' (37m) per minute**
- ■ **1/2 Horsepower AC fixed speed motor requires 230 / 460 VAC 3 PH, 50/60 Hz (motor starter provided by other)**
- ■ **Weight or zone classification modes**
- ■ **Package weights up to 200 lb / 90 kg**
- ■ **Custom hardware/software available**

Capacity 100.00 x 0.05 lb

DATE/TIME
05/06/2016
14:56

GROSS   45.15 lb

	HIGH	LOW	CT
Under:	44.95	43.00	4
Accept:	45.15	45.00	37
Over:	48.00	45.20	4
Reject:	N/A	N/A	1

[PRESET] [ZERO] [UNITS] [REPORT]

825 SPECTRUM INDICATOR

Cardinal's 825 indicator features an in-motion checking application designed to continuously sort products as they travel over a belt scale. As products travel down the conveyor they will pass two photo eyes that will start and stop recording of weight samples. Based on preset weights for three zones tied to a specific product code, the indicator will activate the digital output for the appropriate zone indication. This application also has a rejector output for products that don't fall within one of the preset zones.

Shown above you can see the current weight on the scale, and information about the currently selected product code. When a product code is selected and running, accumulated counts and weights will update on the screen. These accumulators will reset if another product code is selected. If the database option is enabled, this information will also be recorded into the database for reporting.

225 NAVIGATOR

Choice of either 225 Navigator or 825 Spectrum weight indicators that come with the CIM series checkweighers.

INDICATOR SPECIFICATIONS	225 NAVIGATOR	825 SPECTRUM
Sample Rate	1-100 samples per second, selectable	1-200 samples per second, selectable
Ports	3 bi RS232 1 each bi 20mA 1 out RS232/20mA 8 remote in 16 control out	2 bi RS232 1 bi RS232/20mA 1 bi RS232/RS485 4 iso inp, 4 iso out 1 10/100 TCP/IP/EIP 2 UBS A, 1 USB B
Power	100/240 VAC, 50/60 Hz	90/264 VAC, 50/60 Hz

- ▪ **IP66 stainless steel enclosure**
- ▪ **Solid state control signals, 3 amp @ 120 VAC with optional relay box**
- ▪ **Enter and exit photo eyes, presets, outputs for 3 weight zones, alarm**

OPTIONAL RB8-OPTO

Relay box compatible with Cardinal Scale's 225 Navigator and 825 Spectrum weight indicators. The RB8-OPTO is a stainless steel, waterproof relay box with 8 channels for input or output. Requires 5 relays for use with CIM series.

Models	CIM100-4824-225	CIM100-4824-825	CIM100-3624-225	CIM100-3624-825	CIM200-4824-225	CIM200-4824-825	CIM200-3624-225	CIM200-3624-825
INDICATOR 225 NAVIGATOR	●		●		●		●	
825 SPECTRUM		●		●		●		●
Power	100 to 240 VAC, 50/60 Hz	90 to 264 VAC, 50/60 Hz	100 to 240 VAC, 50/60 Hz	90 to 264 VAC, 50/60 Hz	100 to 240 VAC, 50/60 Hz	90 to 264 VAC, 50/60 Hz	100 to 240 VAC, 50/60 Hz	90 to 264 VAC, 50/60 Hz
Operating Temperature	Temperature: 14º to 104º F (-10º to +40º C) Humidity: 90% non-condensing (maximum)				Temperature: 14º to 104º F (-10º to +40º C) Humidity: 90% non-condensing (maximum)			
Enclosure	IP66 stainless steel				IP66 stainless steel			

SCALE **Capacity**	100 lb x 0.05 lb / 45 kg x 0.02 kg				200 lb x 0.1 lb / 90 kg x 0.05 kg			
Dimensions	48" L x 24" W x 30" H / 122cm L x 61cm W x 81cm H		36" L x 24" W x 30" H / 91cm L x 61cm W x 81cm H		48" L x 24" W x 30" H / 122cm L x 61cm W x 81cm H		36" L x 24" W x 30" H / 91cm L x 61cm W x 81cm H	
Construction	Mild steel, baked powder-coat paint				Mild steel, baked powder-coat paint			
Belt	Anti-static polyester fabric				Anti-static polyester fabric			
Belt Speed	Up to 120' (37 m) per minute				Up to 120' (37 m) per minute			

OPTIONS

- Printer
- Five zone checking
- Food grade conveyor belt
- Variable speed controller
- Tower light with buzzer
- Rejectors (take away arms to direct "off" weights to a separate area)
- Alternate motor and controller power

825 OPTIONS

- Product memory (store set points and accumulators by product name)
- Report printing

MADE IN USA
of American and foreign components

ISO REGISTERED 9001

Cardinal Scale reserves the right to improve, enhance, or modify features and specifications without prior notice.

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SOLD BY: