



# 200 SERIES

## DIGITAL WEIGHT INDICATORS

Choose From a Variety  
of Connectivity Options

**VERSATILE**  
Flexible Print Formats  
Multiple Weight Units

**POWERFUL**  
Power 8 Load Cells  
Dual Serial Ports

**RUGGED**  
NEMA 4X/IP66  
Washdown Enclosure



## MODELS 205 & 210

# MODELS 205 & 210



**Rugged versatility** makes Cardinal's 200 Series weight indicators perfect for a wide range of weighing applications; whether it's a simple bench scale, a heavy-duty floor scale, or even a motor truck scale.

*The 205 and 210's stainless steel NEMA 4X/IP66 enclosure ensures accurate, reliable operation in harsh environments and washdown applications.*



The latest flash technology is employed which allows the indicator's program to be updated on-site. Dual serial ports provide easy connectivity to a remote display, label printer, ticket printer, or PC. Input control lines for remote activation of zero, tare, gross, and print functions give you more control over placement and operation of the indicator. Additionally, Cardinal programmers can custom design applications to fit your specific function.

Kilograms, pounds, tons plus four other weight units, along with a power supply that can operate from 90 to 260 VAC give you extreme versatility. The easy-to-view display, with bright red LED segments, displays weight to six digits.

Print tab settings make it easy to setup a ticket with the information you need to print. With Cardinal's powerful nControl software you can create two additional custom print formats for truck tickets, weight receipts, and even bar coded labels to your specifications.



## FEATURES

### Model 205

- Auto shutoff and sleep modes
- Push button tare
- Gross, tare, net conversion
- Accumulator, gross, and net
- Adjustable filtering
- Selectable key lockout
- Two serial ports
- Four input lines

### Model 210

All the features of the 205 plus:

- Numeric keypad
- Keypad tare
- Piece count
- Checkweighing
- Three preset weight comparators
- Time/date - 12 or 24 hour formats



Optional  
Checkweigher  
Light Bar for  
Model 210

### Model 205/210 Options

- Checkweigher light bar for 210 only
- Analog output (0-10 volt, 4-20mA)

## CONNECTIVITY OPTIONS

### Internal Module Options

- Ethernet.....
- Allen Bradley®
- DeviceNet™
- Additional RS232
- Serial to Fiber Glass Converter (300' to 5,000')
- Serial to Fiber Plastic Converter (30' to 300')



### External Module Options

- Profibus®
- Wireless 802.11

## SPECIFICATIONS

<b>Display</b>	6-digit, 7-segment LED, 14mm/0.6" high
<b>Annunciators</b>	Model 205 Zero, stable, tare, gross, net, lb, oz, kg, g, t, T, lo bat Model 210 All the above plus PWC1/under, PWC2/accept, PWC3/over
<b>Enclosure</b>	NEMA 4X/IP66 - 9"W x 7"H x 2.75" D 229mm W x 178mm H x 70mm D
<b>Keyboard</b>	Model 205 7 keys Model 210 22 keys
<b>Units</b>	Pounds, pounds/ounces, ounces, tons, kilograms, grams, metric tons, custom
<b>Division Value</b>	1 to 99 x 10, 1, 0.1, 0.01, 0.001
<b>Sample Rate</b>	1 to 100 samples per second, selectable
<b>Auto Zero Range</b>	0.5 or 1 to 9 graduations
<b>Load Cells</b>	8 each, 350 ohm minimum resistance
<b>Excitation</b>	12 VDC - AC power, 8 VDC - battery power
<b>Sensitivity</b>	NTEP 0.3uV/e (Class III/IIIL) CANADA 0.3uV/e (Class III/IIHHD) OIML 0.7uV/e (Class III) NON-COMMERCIAL 0.15uV/e
<b>Resolution</b>	NTEP 100 to 10,000 (Class III/IIIL) CANADA 100 to 10,000 (Class III/IIHHD) OIML 100 to 10,000 (Class III) NON-COMMERCIAL 100 TO 240,000
<b>Power</b>	90 to 260 VAC, 50 or 60 Hz
<b>Temp. Range</b>	-10° to +40° C / +14° to +104° F
<b>I/O</b>	1 bidirectional RS232 (20mA) 1 output only RS232 (20mA)

## CERTIFICATIONS

The Model 205 and 210 Indicating Elements meet or exceed Class III/IIIL, 10,000 division accuracy requirements in accordance with the NIST Handbook 44. A Certificate of Conformance Number 01-011, was issued under the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measures.



NOTICE OF APPROVAL  
NO. AM-5397



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