



# MODEL 220

## DIGITAL WEIGHT INDICATOR



### CARDINAL'S MOST VERSATILE WEIGHT INDICATOR

- Full alphanumeric keypad
- 200 IDs with descriptive cross-reference
- 6 custom print formats for labels or tickets
- Multiple report printing
- Digital fill control
- Power up to 14 load cells
- NEMA 4X/IP66 stainless steel enclosure



TRUCK SCALES



BATCHING



IN-MOTION CHECKWEIGHING



CONNECTIVITY



CUSTOM APPLICATIONS

# The Ultimate in Versatility Cardinal's 220 Digital Weight Indicator



Cardinal's multifunction indicator features piece count, checkweighing, batching, 200 ID fields, and much more. Enclosed in rugged NEMA 4X/IP66 stainless steel for reliable operation in harsh environments, the 220 has what you need for fill control, vehicle weight management, and most other industrial weighing applications.

*Backlit transfective LCD display.*

*Programmable light detector sense ambient light to turn display backlighting on automatically when needed.*

*Color-coded function keys with selectable lockout feature reduces errors from incorrect keystroke.*

*True alphanumeric display.*



**Infrared**  
Allows remote operation.



*Six custom print formats with bar code for weight receipts, product labels, vehicle tickets, etc.*

## FEATURES:

- Piece count
- Digital fill control
- Checkweigher
- Multi-interval
- Multiple reports
- Adjustable filtering
- Multi-point calibration
- 8 input control lines
- 8 output control lines
- Electronic tally roll
- Alphanumeric keypad
- Selectable key lockout
- Consecutive numbering
- Keypad and push button tare
- Preset weight comparator
- 200 IDs with cross reference
- Accumulator - gross, net, or batch

## OPTIONS:

- Analog output
- External relay I/O
- Ethernet
- RS-232
- Allen Bradley® remote I/O
- Plastic or glass fiber optics
- Bluetooth®
- Ethernet/IP

## SPECIFICATIONS:

- Display:** 12 digit, 14 segment, 0.8" high backlit LCD
- Annunciators:** Zero, ID, mem, stable, accum, max, over, under, accept, 8 PWCs
- Enclosure:** NEMA 4X/IP66 10"W x 8"H x 4"D  
254 mm W x 203 mm H x 100 mm D
- Keyboard:** 27 key color coded membrane
- Units:** Pounds, ounces, kilograms, grams, tons, metric tons
- Division Value:** 1, 2, or 5 x 10, 1, 0.1, 0.01, 0.001, 0.0001
- Sample Rate:** 1 to 100 samples per second, selectable
- Auto Zero Range:** 0.5 or 1 through 9 graduations
- Excitation:** 12 VDC
- Sensitivity:** 0.5 µV/division (0 - 3.3 mV/V input)
- Resolution:** 100 - 100,000 NTEP, OIML  
100 - 240,000 NON-COMMERCIAL
- Power:** 110/230 VAC, 50 or 60 Hz
- Temp. Range:** -10 to +40° C/+14 to 104° F
- I/O:** 1 bidirectional RS232/20 mA, 1 output only RS232/20 mA

## CERTIFICATIONS

The Model 220 Indicating Element meet or exceed Class III/III, 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.



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