CARDINAL MODEL 210FE
DIGITAL WEIGHT INDICATOR

WASHDOWN

8965 lb G

CAPACITY

MODEL 210-FE WEIGHT INDICATOR

Cardinal
www.cardinalscale.com

LEGAL FOR TRADE

NTEP · NATIONAL CONFERENCE ON WEIGHTS AND MEASURES ·

Think of Cardinal's new 210FE indicator as the reliable model 210 on steroids! All the same great features, but super-sized for convenience: remote controllability, dual serial ports, NEMA 4X/IP66, flexible print formats, powers 8 load cells, numeric keypad, auto shutoff, and selectable key lockout all in a 15-inch-wide by 9.7-inch-high stainless steel enclosure with 2.24-inch-high LED digits and larger key sizes.

TRUCK SCALES | FLOOR SCALES | FILLING OPERATIONS
Ideal anywhere weight needs to be viewed from a distance.

Model 210 Indicator   *Model 210FE Indicator*

The 210FE is Ideal for Warehouses and Material Handling

Highly visible by fork truck drivers when loading over a scale. Add a remote wireless input device and TARE, PRINT or ZERO directly from the driver's seat. You will easily "see" the 210FE as the digital indicator to have in every scale location in your facility.

The 210FE is Ideal for Truck Scales

For applications requiring an economical way for drivers to see weight at the scale house, position the 210FE close to the window of the scale house for high visibility, or even mount it outside. The enclosure is made of rugged stainless steel with NEMA 4X/IP66 rating.

MODEL 210FE DIGITAL WEIGHT INDICATOR

210FE FEATURES

- Push button tare function
- Gross, tare, net conversion
- Selectable key lockout
- Hi-Resolution mode
- Adjustable filtering
- Gross and Net accumulators
- Dual serial ports
- Remote input lines for Zero, Tare, Gross and Print (1,000 feet maximum)
- Programmable print format using Visual Print or nControl (2 Visual Tickets available)
- SMA level 2 compliant serial communications
- Field re-programmable via PC interconnection
- Test feature (performs display and internal tests)
- Auto Shutoff and Sleep modes
- Numeric keypad
- Keypad tare function
- Count feature with accumulator
- Time and Date with selectable 12 or 24 hour operation
- Checkweigher
- Three preset weight comparators
- Axle weigher (CWL-40) operation mode

Optional Features

- Analog output
- 10/100 Mbps Ethernet TCP/IP
- Checkweigher light bar
- Fiber optic port (glass or plastic)
- Column mounting
- Industrial Ethernet/IP
- Allen-Bradley® interface
- Additional serial port
- Panel mount kit
- Special filtering
- Internal relay box
- External relay box

210FE SPECIFICATIONS

Display	• 6-digit, 7-segment, 2.5"/64mm high LED display • 2.24"/57mm high LED digits • 3-digit, 16-segment, 0.8"/20mm high annunciators • 10-level brightness control
Shipping Weight	12 lb/5.4 kg
Enclosure	NEMA 4X/IP66 - 9.7" H x 15" W x 3.1" D 246mm H x 381mm W x 79mm D
Keyboard	Color-coded membrane type, 22 keys
Units	Tons, Pounds, Ounces, Metric Tons, Kilograms, Grams
Division Value	1, 2, or 5 x 10, 1, 0.1, 0.01, 0.001 commercial 0 to 99 non-commercial
Sample Rate	1 to 100 samples per second, selectable
Auto Zero Range	0.5 or 1 to 9 graduations
Load Cells	8 each, 350 ohm minimum resistance
Load Cell Cable Length	1,500 feet maximum. *Consult factory for other requirements.* 30 feet maximum without sense lines.
Excitation	12 VDC
Signal Input Range	1.0 mV min. to 40 mV max. (with dead load boost)
Sensitivity	**NTEP** 0.3uV/e (Class III/IIIL) **CANADA** 0.3uV/e (Class III/IIIHD) **OIML** 0.7uV/e (Class III) **NON-COMMERCIAL** 0.15uV/e
Scale Divisions	**NTEP** 100 to 10,000 (Class III/IIIL) **CANADA** 100 to 10,000 (Class III/IIIHD) **OIML** 100 to 10,000 (Class III) **NON-COMMERCIAL** 100 to 240,000
Internal Resolution	1 part in 16,777,216
Tare Capacity	Scale capacity
Power	90 to 264 VAC (50/60 Hz) at 0.4A
Temp. Range	-10° to +40° C / +14° to +104° F
I/O	1 bidirectional RS232 (20mA) 1 output only RS232 (20mA)

CERTIFICATIONS

The Model 210FE Indicating Element meets or exceeds 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.
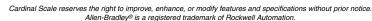
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OIML DK0199.47 Rev 1

MEASUREMENT CANADA   NOTICE OF APPROVAL PENDING

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Cardinal®

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