825 Gen2 INDICATOR

Programmable Indicator/Controller with Full-Color Touchscreen

APPLICATION MENU

- TRUCK / ID STORAGE — *by Cardinal*
- DFC BATCHER — *by Cardinal*
- CHECK WEIGHER — *by Cardinal*
- HIGHWAY WEIGH STATION — *by Cardinal*
- MULTI SCALE — *by Cardinal*
- FILE MANAGER — *by Cardinal*

ESC   IP: CAL
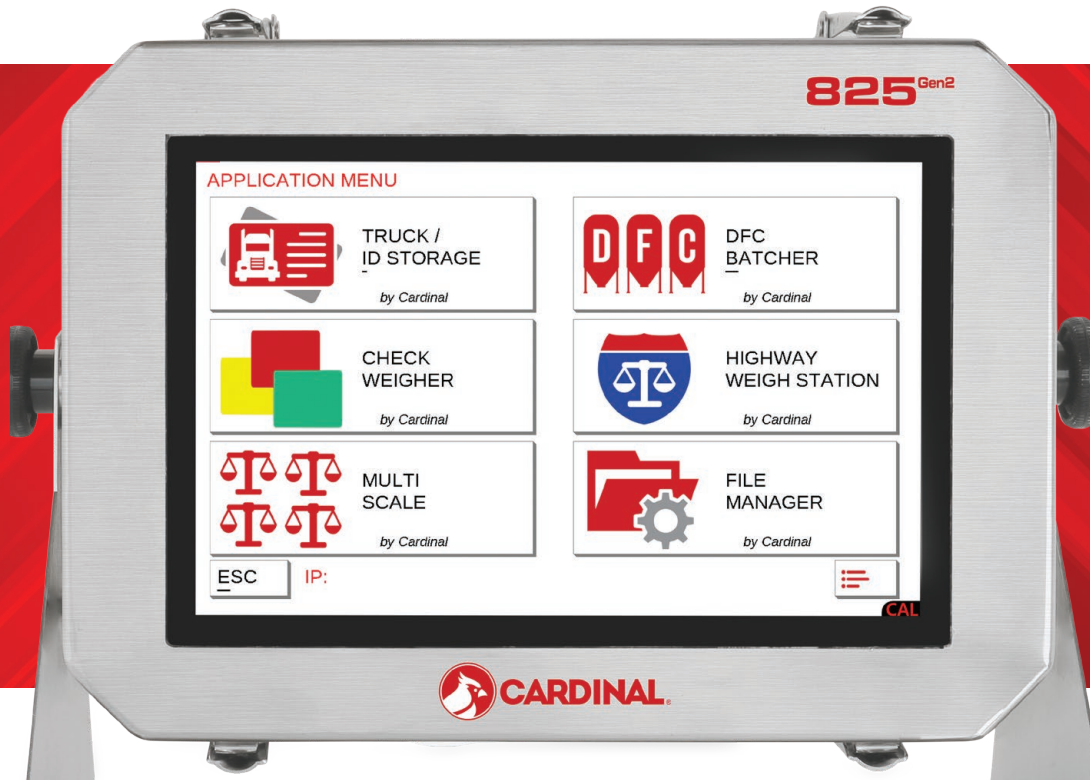
Model 825D-NS screenless indicator (digital) shown with optional Wi-Fi

Model 825D-D desktop indicator (digital)

Model 825D-S stainless steel indicator (digital)

Available in screenless, desktop, and stainless steel weatherproof enclosure versions

NTEP · NATIONAL CONFERENCE ON WEIGHTS AND MEASURES

MEASUREMENT CANADA

OIML

ETL LISTED US · INTERTEK

MADE IN USA — of American and foreign components

CARDINAL®

Elevate Your Weighing Solutions with Advanced Programmable Technology

## Loaded with Standard Apps Right Out of the Box

TRUCK ID STORAGE

Touchscreen truck ID storage menu allows adding and editing trucks, customers, and products on the fly using the dynamic onscreen keypad that's available when needed.
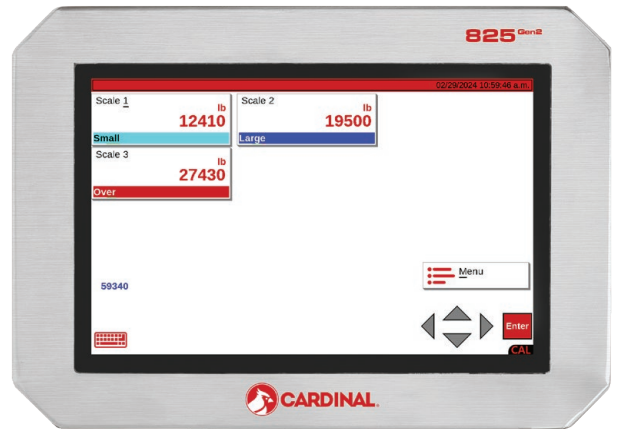

DIGITAL FILL CONTROL / BATCHING

Visual hopper graphic dynamically illustrates the level of fill, showing recipes with up to 5 ingredients onscreen at a time during batching operations.
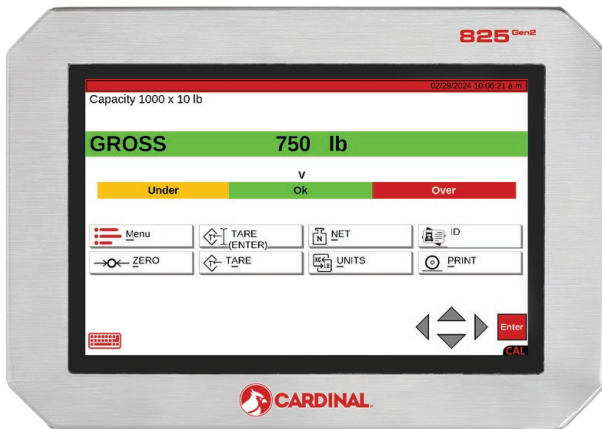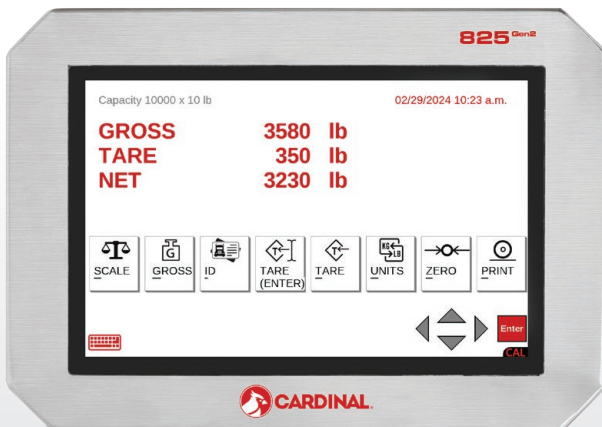

CHECKWEIGHER MODE

Large, bright full-screen checkweigher bar changes color as weight progresses into different target weight ranges (Under, Accept, Over).
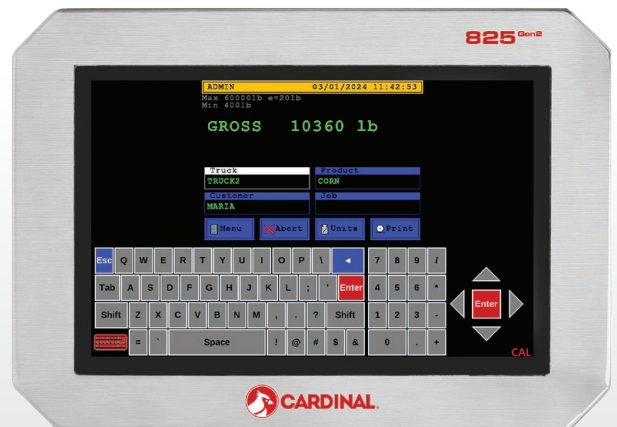

MULTI-SCALE APPLICATIONS

The 825 displays multiple scales onscreen simultaneously, including checkweighing status, whether it's connected to a multi-platform truck scale or a tank farm.

STANDARD SCALE OPERATIONS

Standard scale weighing mode displays large easy-to-use touchscreen buttons for functions such as Gross, Tare, and Print.


LEGACY MODE

Existing 825 custom apps can be recompiled to run on the new 825 in legacy mode. Please contact Cardinal Scale Custom Software Dept. for details.

Seamless Integration: Programmable Weight Indicators with Multiple Protocol Support

825 Gen2 INDICATOR

## Touchscreen Ease of Operations Combined with High-Performance Hardware

- Large 12" LCD full-color, touchscreen (1280 x 800 pixel resolution)
- Display is fully visible in direct sunlight
- HDMI port allows connectivity with large-screen monitors
- Full-color, interactive application menus with easy-to-use navigation
- Standard apps right out of the box: Truck ID Storage, Digital Fill Control / Batching, Checkweigher, Highway Weigh Station, and Multi-Scale
- File manager provides onboard access to saved files
- High-speed processor for main board and operator interface board
- Audio notifications

- Ethernet, Wi-Fi, Bluetooth, and high-speed USB 3.0
- 3 serial ports
- Onboard digital I/O: 4 inputs and 4 outputs
- Security: SSL, SSH
- 4GB memory standard and 16GB onboard memory storage with up to 256GB memory storage available
- 8 option card slots (7 are available with included installed 825-SIB)
- Multi-point calibration
- Up to 8 operators (one administrator and 7 configurable users)
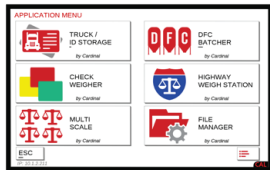
LARGE-SCREEN MONITOR CONNECTIVITY

The screenless 825 models may be connected via HDMI (multi-directional interaction) or USB (readout only) with large-size monitors for big-screen visibility.

INTERNAL ACCESS WITHIN SECONDS

Desktop Version:
Two thumb screws on the desktop chassis provide quick internal access.

Stainless Steel Version:
Quick release clamps allow fast access to internal components.
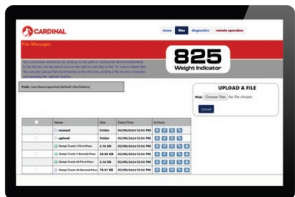
BUILT-IN WEB SERVER

The 825 features Web browser access that gives you the ability to manage files, view weight, run the indicator remotely (using Windows "Remote Desktop"), and view diagnostics on your indicator anywhere in the world.

The file manager allows you to retrieve and transfer image files stored on the 825, which is especially helpful with connected license plate cameras capturing in and out weighments.

LOADED WITH CONNECTIVITY

Ethernet, Wi-Fi, Bluetooth, high-speed USB, 3 serial ports, and 4 digital inputs/outputs.

IP CAMERAS

The 825's Camera Configuration allows you to configure up to 4 IP cameras and capture images based on the type of weighing: first pass, second pass, or single pass.
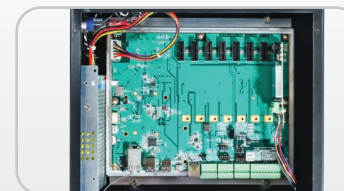
POWER BUTTON

Since the 825 has a completely touchscreen display, a push button power switch is located above the AC power cord for convenience.

ADJUSTABLE KNOBS

Versatile adjustable angle tilt knobs on the stainless steel model mounting bracket allows you to position the display where it's easiest to read.
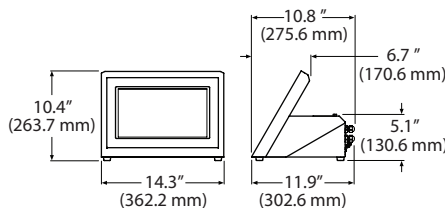
PLENTY OF ROOM TO EXPAND

Eight option card slots (seven are available with included installed 825-SIB).

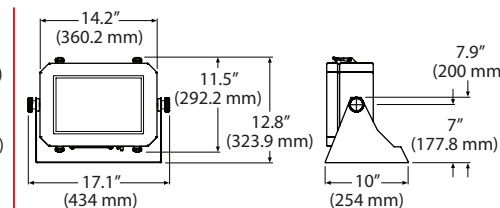| Power Requirements	100 to 240 VAC (50/60 Hz) at 1A Max
Enclosure Type	NEMA 4X/IP66 rated stainless steel outdoor wall-mounted models and indoor desktop models available
Enclosure Size Stainless Steel: Desktop: Screenless:	14.25 in W x 11.5 in H x 5.63 in D / 36.2 cm W x 29.2 cm H x 14.3 cm D 14.25 in W x 10.5 in H x 11.75 in D / 36.2 cm W x 26.7 cm H x 29.9 cm D 12.25 in W x 5.25 in H x 11.25 in D / 31.1 cm W x 13.3 cm H x 28.6 cm D
Net Weight Stainless Steel: Desktop: Screenless:	18 lb / 8.2 kg 15 lb / 6.8 kg 11 lb / 4.9 kg
Shipping Weight Stainless Steel: Desktop: Screenless:	20 lb / 9 kg 17 lb / 7.7 kg 13 lb / 5.9 kg
Operating Environment	Temperature: 14 to 104°F (-10 to +40°C) Humidity: 90% non-condensing (maximum)
Display Size	12.1 in / 307 mm diagonal Active Area: 10.3 in W x 6.4 in H / 261 mm W x 163 mm H
Display Resolution	1280 x 800 pixel color graphics TFT LCD w/ LED backlight
Transducer Excitation	10.85 VDC
Signal Input Range	1.0 mV min. to 33 mV max. (with dead load boost)
Number of Load Cells	14 each, 350 OHM minimum resistance
Load Cell Cable Length	1260 feet maximum with sense lines (consult factory for other requirements) 30 feet without sense lines
Division Value	Commercial: 1, 2, or 5 x 10, 1, 0.1, 0.01, and 0.0001 Non-commercial: 0 to 99
Sensitivity NON-COMMERCIAL: NTEP: CANADA: OIML:	0.15 uV/e 0.3 uV/e (Class III/IIIL) 0.3 uV/e (Class III/IIIHD) 0.5 uV/e (Class III)
Scale Divisions NON-COMMERCIAL: NTEP: CANADA: OIML:	100 to 240,000 100 to 10,000 (Class III/IIIL) 100 to 10,000 (Class III/IIIHD) 100 to 10,000 (Class III), 1,000 (Class III)
Internal Resolution	> 100,000 Counts
Tare Capacity	Six Digits (999,999)
Sample Rate	1 to 200 samples per second, selectable
Auto Zero Range	0.5 to 1 through 9 divisions
Weighing Units	Tons, Pounds, Tonnes (Metric Tons), and Kilograms
Keypad	Interactive touchscreen
Standard I/O	(1) Bi-directional RS-232 port (1) Bi-directional RS-232/20mA port (1) Bi-directional RS-232/RS485 port (1) 10/100/1000 Base-T Ethernet (4) Isolated input/output (2) USB 3.0 ports, (1) USB 2.0 port, and (1) USB-C port (1) HDMI port 802.11b/g/n Wi-Fi Bluetooth v4.2 BR/EDR/BLE

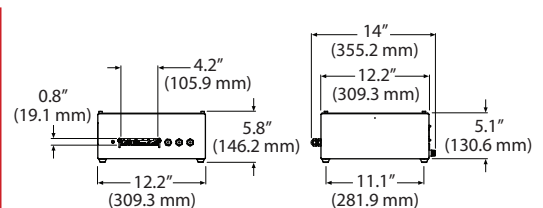| Model	Description	Scale Type
825A-D	Desktop 825 Indicator	Analog
825A-S	Stainless Steel Outdoor 825 Indicator	Analog
825A-NS	No Screen 825 Indicator	Analog
825D-D	Desktop 825 Indicator	Digital
825D-S	Stainless Steel Outdoor 825 Indicator	Digital
825D-NS	No Screen 825 Indicator	Digital

Option	Description
825-DLC	Digital load cell interface card
825-SIB	High-speed scale input card
825-DIO	Digital input / output card (required for use with RB8-OPTO)
825-DAC	Analog output card 0-10 v or 4-20 ma
825-CON	External USB / Ethernet connector
825CBW	Desktop 825 continuous bulk weigher system with printer
825CBWS	Wall-mount 825 continuous bulk weigher system with printer
825CBWNP	Desktop 825, no printer (non-NTEP)
825CBWSNP	Wall-mount 825, no printer (non-NTEP)

825 Desktop

10.8 " (275.6 mm)
6.7 " (170.6 mm)
10.4" (263.7 mm)
5.1" (130.6 mm)
14.3" (362.2 mm)
11.9" (302.6 mm)

825 Stainless Steel

14.2" (360.2 mm)
11.5" (292.2 mm)
12.8" (323.9 mm)
17.1" (434 mm)
7.9" (200 mm)
7" (177.8 mm)
10" (254 mm)

825 No Screen

0.8" (19.1 mm)
4.2" (105.9 mm)
14" (355.2 mm)
12.2" (309.3 mm)
5.8" (146.2 mm)
5.1" (130.6 mm)
12.2" (309.3 mm)
11.1" (281.9 mm)