



Cardinal's Model 825 Digital Weight Indicator

Features a Full *SPECTRUM* of Colors

- 640 x 480 Pixel Backlit Interactive Touchscreen LCD
- Color-Coded QWERTY Keyboard for Easy Data Entry
- Two ColdFire® Processors and 64 MB User Memory
- Navigation Keys Combine with Intuitive Menus

The 825 is loaded with inclusive features and applications ready out of the box!



ADMIN 10/27/2008 03:30:13 p.m.
Capacity 100000 x 20 lb Scale: 1

GROSS 10660 lb

MENU ZERO ID

Truck/ID Storage

Report Listing

#	ID	Flags	Weight	Accum
1	CSMC1		12500	23200
2	CSMC2		10000	45000
3	CSMC3		12140	127660
4	CSMC4		8420	23420
5	CSMC5		11480	24880
6	CSMC6		8180	48740
7	CSMC7		9860	18480
8	CSMC8		10840	68400
9	CSMC9		6840	12740
10	CSMC10		11480	68940

Showing: 1-10 of 28 Page: 1/3

Flags: (U)sed (T)emporary (Z)ero Weight

Edit Filter Print Show Exit

View Full Reports Onscreen

Configure tabs page 1

Gross: 1, 5 Cnv Grs: 0, 0
Tare: 1, 6 Cnv Tre: 0, 0
Net: 1, 7 Cnv Net: 0, 0
Dsp Wt: 0, 0 Cnv Dsp: 0, 0
G Accum: 0, 0 Cnv GAcc: 0, 0
N Accum: 0, 0 Cnv NAcc: 0, 0
Time: 1, 1 Date: 10
ID: 1, 2 CN: 0

Consecutive num X coordinate

Convenient Ticket Setup

Configure tabs page 3

Header

1: Cardinal Scale Mfg.
2: P.O. Box 151
3: 203 E. Daugherty
4: Webb City, MO 64870
5:

Footer

1: Phone: (417) 673-4631
2: Fax: (417) 673-5001
3: www.825spectrum.com
4: cardinal@cardet.com
5: "Building a better weigh."

Footer 5

Type in Ticket Headers and Footers

ADMIN 10/20/2008 03:12:22 p.m.
Capacity 350000 x 20 lb

S1 3520 S2 CZ 00 S3 5660 S4 BZ -680 S5 400
S6 5920 S7 12200 S8 CZ 00 S9 5920

BELOW ZERO

32940 lb

MENU TARE NET UNITS ZERO

View up to 10 Scales Simultaneously

ADMIN 10/20/2008 03:13:56 p.m.
Capacity 100000 x 20 lb Scale: 1

GROSS 3520 lb

v

Under Small Ok Large Over

EXIT EDIT PREV NEXT

Easily Access Individual Weights

Setup Menu

Press:

1. Date/Time
2. Communication
3. Calibration
4. Update software menu
5. Preferences
6. Diagnostics
7. View audit trail
8. Operators

MAC Address: 00:CP:53:29:CF:01

Intuitive Setup and Configuration Menus

Set Date/Time

Year: 2008
Month: 10
Day: 17
Hour: 11
Minute: 25
Second: 25

Enter the year

Easy to Set Date and Time

Versatile and extensive truck/ID storage reports with the 825 Spectrum.

Filter through truck/ID storage and accumulator data and view reports based on specific criteria directly onscreen in no time at all with the 825 Spectrum's speedy pair of 32-bit ColdFire® processors and 64 MB user memory. Sort by company name, truck number, fleet, ID, accumulator, time, date, oldest load or newest load. Reports may be viewed onscreen and/or printed, plus the truck storage database may be shared with a PC for creating, editing, sorting, and billing.



Complete ticket configurability in the 825.

Convenient tab settings with X-Y coordinates allow operators to set up tickets easily for any ASCII printer. Up to five lines of header and footer may be created for text, data, and control codes. Cardinal also offers **VISUALIZER** software for custom tickets.

Cardinal Scale Mfg.
P.O. Box 151
203 E. Daugherty
Webb City, MO 64870

TIME: 10:57am DATE: Nov. 17, 2008 ID: HWF1

GROSS: 10,257 lb
TARE: 4,389 lb
NET: 5,868 lb

Phone: (417) 673-4631
Fax: (417) 673-5001
www.825spectrum.com
cardinal@cardet.com
"Building a better weigh."

Cardinal's 825 Spectrum provides optimum inventory management for tank farms.

Instantly determine material inventory with the 825's ability to view 10 scales onscreen simultaneously. The power of the Spectrum's large 640 x 480 pixel color LCD becomes apparent when, in one scan of the eye, you can check on your entire tank farm's stocking levels. By touching a scale's weight onscreen, the indicator brings up the individual scale's information to set zone target values and ranges, zero weight, and apply tare weights.



The 825 Spectrum thinks like you do with intuitive setup and configuration menus.

The 825 Spectrum's large screen size provides ample space for detailed setup and configuration headers with descriptive choices about available options. You may set up the Spectrum with your own preference of onscreen colors and sounds using the convenient interactive touch screen and navigation keys. Up to eight operators (one administrator and seven configurable users) may be established for use with up to 25 levels of permission. The View Audit Trail section is useful for state inspectors and scale technicians providing information on calibration and parameter changes. Time and Date configuration is easy to set up with 12 or 24 hour operation.



File Management Via Internal Web Server

Transfer data with the 825 Spectrum over a network or Internet connection:

In the Office • Across Town • Around the World

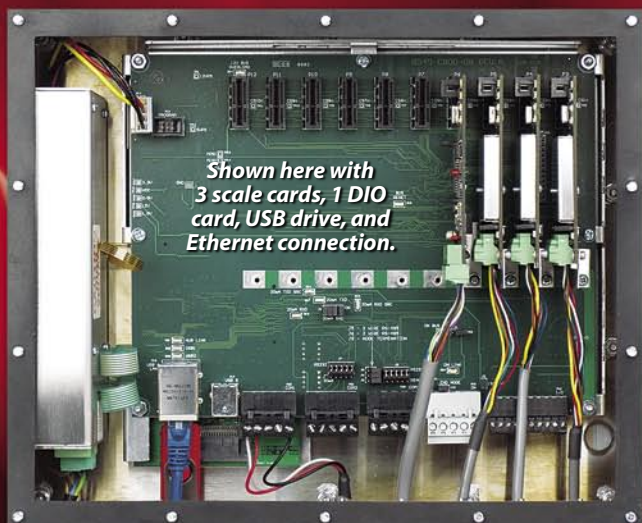
EASY DATA TRANSFER

Files stored on 825 Spectrum

Database file being transferred from USB drive



Cardinal model 825 Spectrum digital weight indicator



Shown here with 3 scale cards, 1 DIO card, USB drive, and Ethernet connection.



The 825 Spectrum's USB drive supports data transfer, USB QWERTY keyboards, and Cardinal-supported printers.

Copy files with ease to and from the indicator (bottom of 825 Spectrum shown to the left).

THE COMPLETE TRUCK SCALE SOLUTION

8 DIGITAL I/O (4 INPUT/4 OUTPUT)
DEVICENET/ICAN
3 SERIAL PORTS (RS232/RS422)
64 MB USER MEMORY
10 OPTION SLOTS AVAILABLE
OPTIONAL SCALE INPUT CARDS
UP TO 8 GB USB MEMORY STORAGE
ETHERNET CONNECTION (TCP/IP OR EIP)
USB CONNECTION (2 USB-A / 1 USB-B)
OPTIONAL 8 PROGRAMMABLE I/O'S



Connect to
REMOTE DISPLAY

Connect to
REPORT PRINTER

Connect to
TRUCK SCALE

Connect to
TICKET PRINTER

825

SPECTRUM

CONNECTIVITY



Cardinal Model 825

DIGITAL WEIGHT INDICATOR

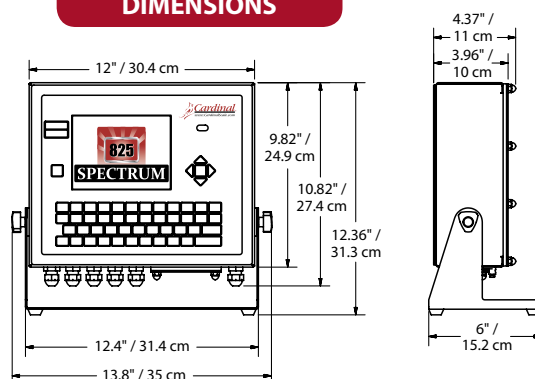


SPECTRUM

SPECIFICATIONS

Power Requirements:	90 to 264 VAC (50/60 Hz)
Enclosure Type:	Stainless steel
Weight:	16.2 lb / 7.3 kg (includes gimbal)
Operating Environment:	Temperature: 14 to 104 °F (-10 to +40 °C) Humidity: 90% non-condensing (maximum)
Display Size:	5.25" W x 4.0" H / 133 mm W x 102 mm H
Display Resolution:	640 x 480 pixel matrix color backlit LCD
Transducer Excitation:	10.85 VDC
Load Cell Cable Length:	1260 feet maximum with sense lines 30 feet maximum without sense lines <i>Consult factory for other requirements</i>
Division Value:	1, 2, or 5 x 10, 1, 0.1, 0.01, 0.001 and 0.0001 commercial 0 to 99, non-commercial
Signal Input Range:	1.0 mV min. to 33 mV max. (with dead load boost)
Number of Load Cells:	Up to 14 per SIB / 48 - 350 ohm load cells total
Sensitivity:	
NON-COMMERCIAL	0.15 uV/e
CANADA	0.3 uV/e (Class III/IIHD)
OIML	0.5 uV/e (Class III)
Max Scale Divisions:	
NON-COMMERCIAL	240,000
CANADA	10,000 (Class III/IIHD)
OIML	10,000 (Class III), 1000 (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 or 1 through 9 divisions
Weighing Units:	Tons, pounds, tonnes (metric tons), kilograms, and custom
Keypad:	Membrane type with 52 color-coded keys and touch screen display with multiple programmable soft keys
Sound:	Configurable audio beep
Standard I/O:	1 each bi-directional RS-232 port 1 each bi-directional RS-232/20mA port 1 each bi-directional RS-232/RS485 port 1 each DeviceNet/ICAN port 4 each isolated inputs and 4 each isolated outputs ports 1 each 10/100 Base-T Ethernet port (TCP/IP or EIP) 2 each USB A host port 1 each USB B device port

DIMENSIONS



The 825 Spectrum may also use Cardinal's
VISUALIZER Ticket and Label Generation Software

Cardinal Scale reserves the right to improve, enhance or modify features and specifications without prior notice. All registered trademarks are the property of their respective owners.

CERTIFICATIONS



08-046



R76/1992-DK1-08.03



AM-5700C



MADE IN USA

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Ph: 417-673-4631 or 800-441-4237 • Fax: 417-673-5001
www.CardinalScale.com

SOLD BY: