Cardinal

REMOTE DISPLAYS

Clear and Bright Weight Readouts for Optimal Distance Viewing

Model 180
0.56" High Readouts - Page 2

Model RD2
2.25" High Readouts - Page 2

Model SB250
2.6" High Readouts - Page 4

Model SB500
5" High Readouts - Page 3
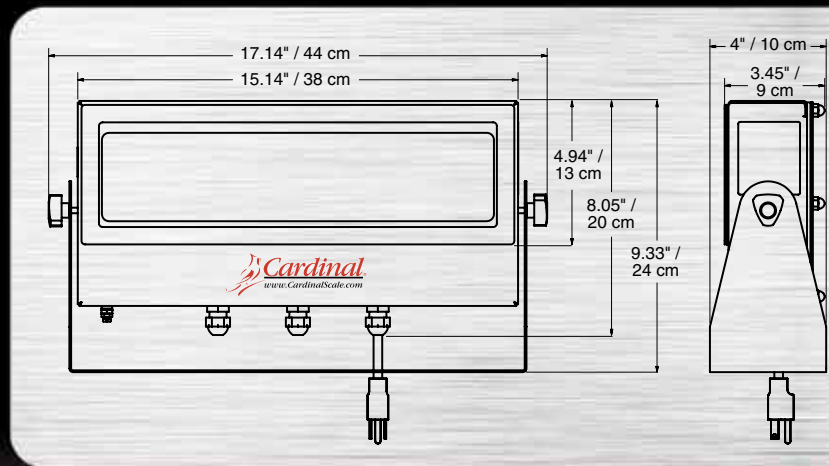
MODEL RD2 REMOTE DISPLAY

2.25"/57mm High LED • 3 Navigation Keys
Auto-Learn Feature Selects Input Protocol
RS232 Interface • 10 Levels of Brightness
Compact Size • Versatile Mounting Bracket

Whether your application necessitates monitoring weight on tanks, bins, vehicle scales or process control systems, the RD2 includes an RS-232 serial interface that is configurable to meet the communication requirements of your weight instrumentation. The rugged stainless steel enclosure is rated NEMA4/IP66 for added protection from water and dust inherent in industrial environments.

Model RD2

SPECS

Display	Six-digit, seven-segment, 2.25" / 57 mm high LED
Power	94 to 264 VAC, 47/63 Hz Universal Input
Annunciators	lb, kg, T, t, G, N
Interface	20mA current loop, RS-232
Display Capacity	-99999 to 999999
Enclosure	Stainless steel
Enclosure Rating	NEMA 4 / IP66
Viewing Range	150' / 46 m
Operating Temp.	-10 to 120° F (-23 to +49° C)
Shipping Weight	16 lb / 7.3 kg

Dimensions: 17.14" / 44 cm, 15.14" / 38 cm, 4.94" / 13 cm, 8.05" / 20 cm, 9.33" / 24 cm, 4" / 10 cm, 3.45" / 9 cm
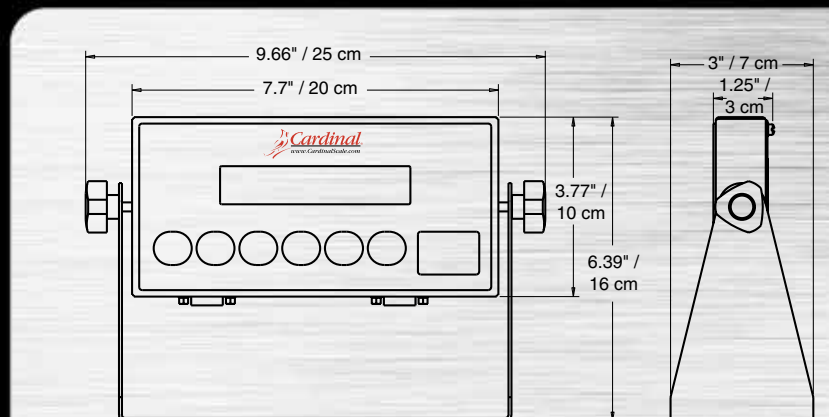
MODEL 180 REMOTE DISPLAY

0.56"/14mm High LED • On-Demand Serial Data
Continuous Serial Data • Indoor/Outdoor Use
Stainless Steel Enclosure • Versatile Mounting Bracket

Designed for economy-based applications with a close viewing range, Cardinal's 180 remote display features a bright-red LED, stainless steel enclosure, and versatile mounting bracket for wall or desktop use.

Model 180

SPECS

Display	Six-digit, seven-segment, 0.56" / 14 mm high LED
Power	12 VDC 1A UL/CSA listed AC power supply
Annunciators	lb, kg, oz
Interface	20mA current loop, RS-232
Display Capacity	-99999 to 999999
Enclosure	Stainless steel
Enclosure Rating	NEMA 1 / IP40
Viewing Range	20' / 6 m
Operating Temp.	14 to 104° F (-10 to +40° C)
Shipping Weight	3 lb / 1.3 kg

Dimensions: 9.66" / 25 cm, 7.7" / 20 cm, 3.77" / 10 cm, 6.39" / 16 cm, 3" / 7 cm, 1.25" / 3 cm

- **5"/127mm High LED**
- **Mounting Tabs**
- **Clear Readouts**
- **Built-in Rain Hood**
- **Traffic Coordination**
- **Long Range Visibility**
- **NEMA 4/IP65 Enclosure**

MODEL SB500 REMOTE DISPLAY

SB500M with message board capabilities also available.
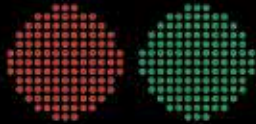
RED/GREEN LIGHT
Configurable control of Stop/Go light traffic signal via serial message or OPTO-22 plug-in relay.

EXTRA-LARGE DIGITS
Large 5-inch-high LED digits, 2-inch-high units (lb, kg, tn, t) and mode (g, t, n) digits with 5-inch-high Stop/Go light.

CONNECTIVITY
Serial (RS-232, RS-422, RS-485, 20mA), fiber optic, wireless, Ethernet, or Wi-Fi plus autolearn mode for most indicators.

BUILT-IN RAIN HOOD
NEMA 4/IP65 enclosure with built-in rain hood protects against harsh elements. Stainless steel enclosure optional - SB500S.

LIGHT SENSOR
Onboard intensity sensor automatically adjusts to ambient light with 10 levels of brightness. 140° horizontal viewing angle.

DAISY CHAIN
Multiple SB500 displays may be daisy-chained together for viewing multiple axles and total weight simultaneously.

Model SB500

SPECS

Display	Six-digit, seven-segment, 5" / 127 mm high LED
Power	115/230 VAC 50/60 Hz
Annunciators	lb, kg, T, t, G, N
Interface	20 mA, active or passive, RS232, RS422/485, fiber optic, ethernet
Display Capacity	-99999 to 999999
Enclosure	**SB500 and SB500M** Painted mild steel **SB500S** Stainless steel
Enclosure Rating	NEMA 4 / IP65
Viewing Range	250' / 76 m
Operating Temp.	-15 to 130° F (-26 to +54° C)
Shipping Weight	39 lb / 17.6 kg

Model SB500S

Stainless steel protection against corrosion and harsh environments.

SB500

32.10" / 82 cm

6.25" / 16 cm

5.5" 14 cm

13.94" 35 cm

16.75" 43 cm

16" 41 cm
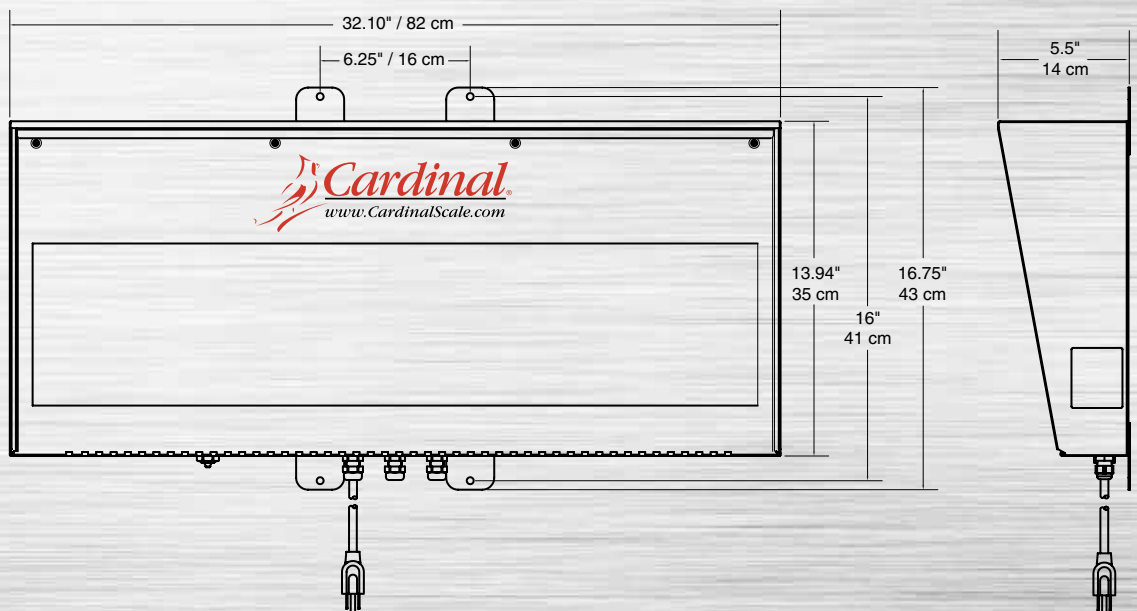
- **2.6"/66mm High LED**
- **Mounting Tabs**
- **Clear Readouts**
- **Autolearn Mode**
- **Built-in Rain Hood**
- **10 Levels of Brightness**
- **NEMA 4/IP65 Enclosure**
- **Message Board Standard**

Model SB250

MODEL SB250 REMOTE DISPLAY

The SB250 employs many of the same features as the SB500, but in a slightly smaller package. These remote displays feature 2.6-inch-high digits consisting of nine 5 x 7 alphanumeric characters for readouts of upper and lower case letter messages. Cardinal's own *Smart Configuration* software allows custom formats. The integral rain hood provides extra protection and greater visibility during inclement weather. The SB250 features ten levels of display intensity which adjust automatically via an ambient light sensor, ensuring readability both day and night.

SPECS

Display......................Six-digit, seven-segment, 2.6" / 66 mm high LED
Power.........................115/230 VAC 50/60 Hz
Annunciators............lb, kg, T, t, G, N
Interface...................20 mA, active or passive, RS232, RS422/485, fiber optic, ethernet
Display Capacity......-99999 to 999999
Enclosure.................Painted mild steel
Enclosure Rating.....NEMA 4 / IP65
Viewing Range.........200' / 61 m
Operating Temp........-15 to 130° F (-26 to +54° C)
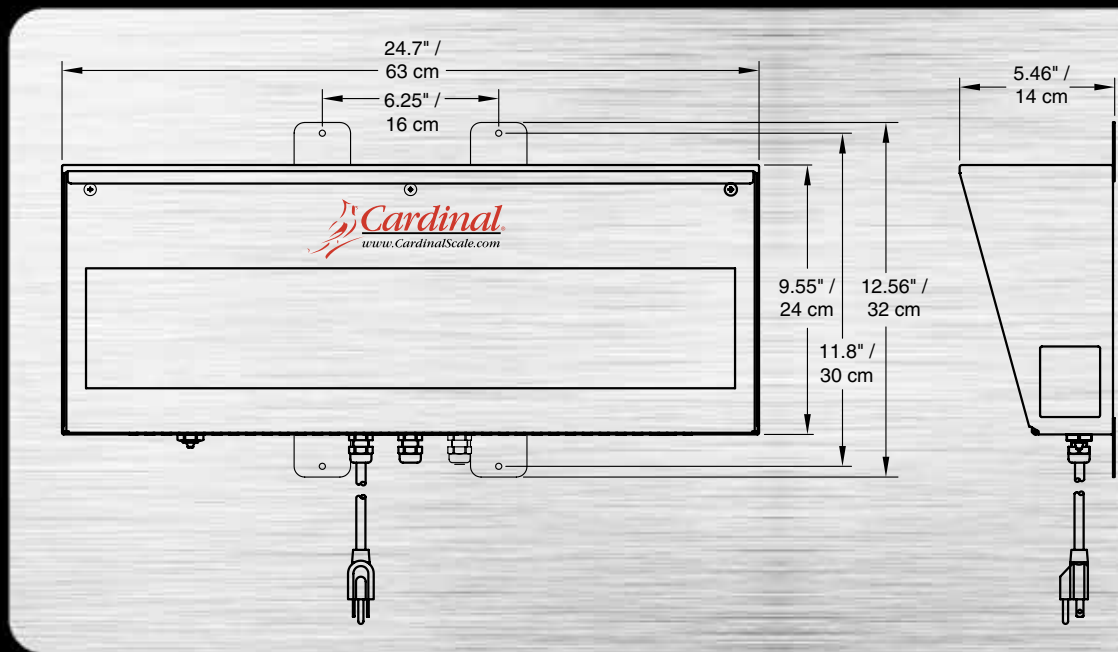**Shipping Weight**......20 lb / 9 kg

Message board capabilities are standard with all Cardinal SB250 remote displays.

DAISY-CHAIN MULTIPLE UNITS

Cardinal's SB250 and SB500 allow multiple weight data to be viewed while being powered by a single weight display.

24.7" / 63 cm
6.25" / 16 cm
5.46" / 14 cm
9.55" / 24 cm
12.56" / 32 cm
11.8" / 30 cm

Cardinal Scale reserves the right to improve, enhance, or modify features and specifications without prior notice.

Sold By:

Cardinal ®

Cardinal Scale Manufacturing Co.

203 E. Daugherty, Webb City, MO 64870 USA
Ph: 417-673-4631 or 800-441-4237 • Fax: 417-673-5001

www.CardinalScale.com

ISO REGISTERED 9001