

682 Synergy Series

Weight Indicator



Standard Features

- Graphical, LCD color display with configurable softkeys
- Numeric, tactile keypad for scale operations, numeric entry and navigation
- Multi-language operation and text entry
- Formattable tickets
- Battery backed time and date
- Multiple communication options
- Fieldbus communication using Rice Lake's SCT-2200 modules and RS-485 port
- Built-in web server for remote access, systems integration and data monitoring
- Built-in Truck In/Out application
- Stainless steel IP69 enclosure
- Four onboard configurable digital I/O points, TTL logic
- Local/Remote

Options

- Analog output: 16-bit resolution, 0-10 VDC, 0-20 mA, 4-20 mA
- Relay card
- Dual serial card
- RJ45 Ethernet connector

Specifications

Power:

Line Voltage: 100-240 VAC, 50-60Hz
Optional: 9-23 VDC

Power Consumption:

~3.2W (AC) with one 350 ohm load cell, 15W max;
4W with 4-350 ohm load cells or 8-700 ohm load cells

Excitation Voltage:

10 VDC (± 5 VDC), 8 x 350 ohm or 16 x 700 ohm load cells

Analog Signal Input Range:

-5 mV to +70 mV

Analog Signal Sensitivity:

0.3 μ V/graduation minimum
1 μ V/graduation recommended

A/D Sample Rate:

6.25-120 Hz, software selectable

Resolution:

Internal: 8,000,000
Display: 1,000,000

System Linearity:

Within 0.01% full scale

Digital I/O:

Four configurable I/O, 5V logic

Communication Ports:

Two RS-232 (three-wire)
RS-485/422 (two-wire or four-wire)
Micro USB (device)
Ethernet TCP/IP (10/100)
Wi-Fi
Bluetooth®

Status Annunciators:

Zero, Gross/Net, Tare, Wi-Fi, Bluetooth®

Display:

Five-inch LCD, 800 x 480 pixel, 500 NIT

Keys/Buttons:

Flat membrane panel, tactile feel
18 buttons plus 5 softkeys and power

Temperature Range:

Legal: 14°F to 104°F (-10°C to 40°C)
Industrial: 14°F to 122°F (-10°C to 50°C)

Dimensions (W x H x D):

11.6 x 8.6 x 4.0 in (29.47 x 21.85 x 10.16 cm)
With RJ45 option: 11.6 x 8.6 x 4.5 in (29.47 x 21.85 x 11.43 cm)

Weight:

6.25 lb (2.84 kg)

Rating/Material:

IP69 (IP66 with RJ45 option)
AISI 304 Stainless Steel

Warranty:

Two-year limited warranty

Approvals:

NTEP CC 19-021, Class III/IIIL, 10,000d
Measurement Canada AM-6121, Class III/IIILD, 10,000d
OIML *pending*
EU-NAWI *pending*
cULus
CE
UKCA

Approvals



pending



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Weight Indicator

Part Number/Price

Part #	Description	Est. Weight	Price
115-230 VAC			
193155†	682 Plus indicator, LCD display, US power cord	7 lb	Consult
193156††	682 Plus indicator, LCD display, EU power cord	7 lb	Consult
207348†††	682 Plus indicator, LCD display, UK power cord	7 lb	Consult
207349††††	682 Plus indicator, LCD display, AU power cord	7 lb	Consult
9-36 VDC			
193157	682 Plus indicator, LCD display	7 lb	Consult
With External RJ45 Connector*			
207354†	682 Plus indicator, LCD display, 115-230 VAC with RJ45, US power cord	7 lb	Consult
207355††	682 Plus indicator, LCD display, 115-230 VAC with RJ45, EU power cord	7 lb	Consult
207356†††	682 Plus indicator, LCD display, 115-230 VAC with RJ45, UK power cord	7 lb	Consult
207357††††	682 Plus indicator, LCD display, 115-230 VAC with RJ45, AU power cord	7 lb	Consult

*IP rating is IP66 with RJ-45 option



† US plug (NA) - Type B



†† Euro Plug - Type E



††† BS1363 (UK) - Type G

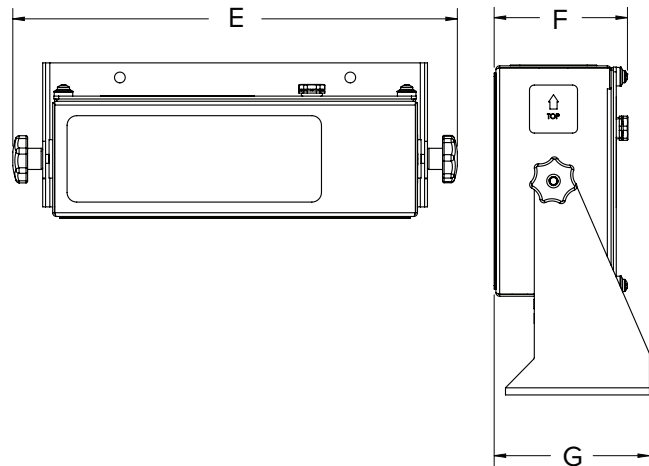
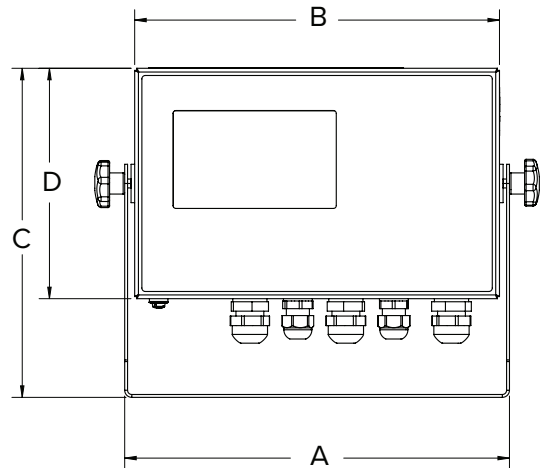


†††† AS 3112 (Australian) - Type I

Options/Accessories

Part #	Description	Price
195084	Analog output	Consult
211709	Relay board	Consult
211710	Serial output	Consult
151099	Panel Mount	Consult
211701	Replacement CPU	Consult
194477	Parts kit	Consult

Note: Reference SCT-2200 (page 506) for Fieldbus part numbers



Dimensions	
A	10 in (254 mm)
B	9.5 in (241 mm)
C	8.6 in (218 mm)
D	6.0 in (152 mm)
E	11.6 in (295 mm)
F	3.5 in (89 mm)
G	4.0 in (102 mm)