

Approvals

Measurement Canada Approved

National Measurement Institute

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 ports
- 20 setpoints, 22 configurable types
- 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
- Built-in batch presets
- Four onboard configurable digital I/O points, TTL logic
- Continuous/demand serial scale input
- Multi-range/interval

Options

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

Note: IP Rating is IP66 with RJ45 option. Rating is valid only when the cover is in place, not in use.

Specifications

Power:
Line voltage: 100 to 240 VAC, 50/60 Hz
Optional: 9 to 36 VDC

Power Consumption:
3.2 W (AC) one 350 ohm load cell, 15 W max;
4 W four 350 ohm load cells or
eight 700 ohm load cells

Excitation Voltage:
10 VDC (± 5 VDC), 8 × 350 ohm or
16 × 700 ohm load cells

Analog Signal Input Range:
-5 mV to +70 mV

Analog Signal Sensitivity:
0.3 µV/graduation minimum
1 µV/graduation recommended

A/D Sample Rate:
6.25 to 120 Hz, software selectable

Resolution:
Internal: 8,000,000 counts
Display: 1,000,000

System Linearity:
Within 0.01% full scale

Digital I/O:
Four configurable I/O, 5 V logic

(Optional) Analog Output:
16-bit resolution, voltage output 0-10 VDC, current output 0-20 mA/4-20 mA

(Optional) Relay Board:
Four normally open dry contact relays and can switch 20-250 VAC @ 3 A or 30 VDC @ 3 A. Use of external fusing to limit current is recommended. Relay COM-NO are transient protected to 400 V @ 600 W

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

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

Display:
Five-inch LCD, 800 × 480 pixel, 500 NIT

Keys/Buttons:
Flat membrane panel, tactile feel
18 buttons plus five softkeys and power

Dimensions:
(L x W x H)
10.0 x 4.0 x 8.6 in
(254 x 102 x 218 mm)

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

Rating/Material:
IP69K (IP66 with RJ45 option)
AISI 304 Stainless Steel

Weight:
6.25 lb (2.84 kg)

Warranty:
Two-year limited

Approvals:
NTEP 19-021, Class III/IIIL, 10,000 d
Measurement Canada AM-6121C
OIML R76 2006 A NL1 19.56R3
NOM
EU Eval Certificate TC11562
CE Listed
UKCA
cULus
NMI

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682 Synergy Series

Digital 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 to 230 VAC with RJ45, US power cord	7 lb	Consult
207355††	682 Plus indicator, LCD display, 115 to 230 VAC with RJ45, EU power cord	7 lb	Consult
207356†††	682 Plus indicator, LCD display, 115 to 230 VAC with RJ45, UK power cord	7 lb	Consult
207357††††	682 Plus indicator, LCD display, 115 to 230 VAC with RJ45, AU power cord	7 lb	Consult

**IP rating is IP66 with RJ45 option*



† US plug (NA) - Type B



†† Euro Plug - Type E



††† BS1363 (UK) - Type G



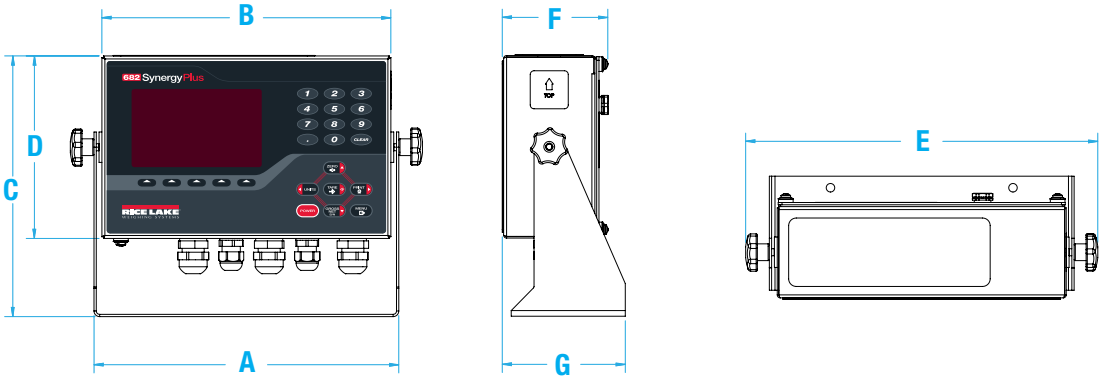
†††† AS 3112 (Australian) - Type I

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
223864	Knob, stainless steel M6 x 1.0 inch	Consult
194477	Parts kit	Consult
Fieldbus		
182592	Fieldbus, SCT-2200, PROFINET module	Consult
194343	Fieldbus, SCT-2200, Ethernet TCP/IP and Wi-Fi	Consult
182593	Fieldbus, SCT-2200, PROFIBUS® module	Consult
182591	Fieldbus, SCT-2200, EtherNet/IP™ module	Consult
182596	Fieldbus, SCT-2200, DeviceNet® module	Consult
182598	Fieldbus, SCT-2200, EtherCAT module	Consult
182597	Fieldbus, SCT-2200, CANopen module	Consult
196694	Fieldbus, SCT-2200, Modbus TCP module	Consult
182599	Cable with RJ45 plugs, 6 in length	Consult
212772	Fieldbus, SCT-2200, PROFIBUS module	Consult

Dimensions

682 Synergy Series			
A	10.00 in (254 mm)	E	11.60 in (295 mm)
B	9.50 in (241 mm)	F	3.50 in (89 mm)
C	8.60 in (218 mm)	G	4.00 in (102 mm)
D	6.00 in (152 mm)		



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