

682 SynergyPlus

DIGITAL WEIGHT INDICATOR



RICE LAKE[®]
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

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Rice Lake Weighing Systems' 682 Synergy Plus Series digital weight indicator is an advanced solution with the simplicity of a basic weight indicator.

The durable 682 Synergy Series indicator is constructed with 304 stainless steel and has an IP69 ingress rating to stand up to high-pressure, high-temperature washdowns found in food processing and other environments.

The 682 indicator has a bright five-inch color LCD screen and configurable softkeys for an interface that is easy to use.

Advanced Connectivity

The 682 indicator comes standard with advanced communications to take on a wide range of applications. Connections to external devices and networks are available through RS-232 and RS-485 serial ports, USB, Ethernet, fieldbus, Wi-Fi and Bluetooth®. This digital weight indicator also has a built-in web server for easy remote monitoring and process control.

Truck Weighing

The 682 indicator has an integrated truck in/out mode specifically designed for vehicle scale applications. This mode stores the transaction after each weigh-out with truck ID, gross, tare and net weights. Transactions may be printed or cleared at any time.

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, 8-700 ohm load cells
EXCITATION VOLTAGE:	10 VDC (\pm 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: 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



SALES AND TECHNICAL ASSISTANCE

RICE LAKE
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