682 SynergyPlus

DIGITAL WEIGHT INDICATOR

RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

682 SynergyPlus

DIGITAL WEIGHT INDICATOR

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 ports
- Eight setpoints, 27 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
- Four onboard configurable digital I/O points, TTL logic
- Local/remote
- 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) 1 × 350 ohm load cell, 15 W max; 4 W 4 × 350 ohm load cells or 8 × 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:	4 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 5 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 CC 19-021, CLASS III/IIIL, 10,000 D

Measurement Canada Approved
AM-6121C

OIML
R76 2006 A NL1 19.56R3

CE

UKCA

c UL us LISTED

NOM

RICE LAKE WEIGHING SYSTEMS
www.ricelake.com