Sasco Africa™

Accurately Weighing Africa

Sasco Weighing Warehouse

880 PROCESS WEIGHING CONTROLLER

Powering Systems Integration

Sasco is a dynamic weighing solutions focused company which procures and supports a leading range of globally sourced industrial weighing technologies. Sasco has the highest metrological ranking of any Southern and Central African company, and as a result of our experience gained through 100 years of operation, we are uniquely positioned to specify and supply optimal weighing equipment, automation and weighing information data solutions to Southern and Central Africa's leading industrial companies. Sasco reputation has been built on innovation and choice underpinned by professionalism, modernity and experience.

Exceptional Stability
Expansive Communication

Power to Perform

Designed with the user process in mind and built for communication, SASCO's Rider Series indicators/controllers are packed with power, yet simple in design. Intuitive multifunction menu keys allow navigation in any application and the NEMA Type 4X/IP69K-rated gasket effectively keeps internal components out of harm's way. Twenty time and weight-based setpoints provide ultra responsiveness to handle any process control requirement. For customized operation, use SASCO's intuitive iRite software to program functionality specific to the application. The innovative 880 and 880 Plus also accommodate a wide range of connectivity-from USB and RS-232/ RS-485 to Ethernet TCP/IP. With two different enclosure types to choose from, SASCO's 880 Rider Series exceeds your expectations wherever you need it.

EXCEPTIONAL STABILITY

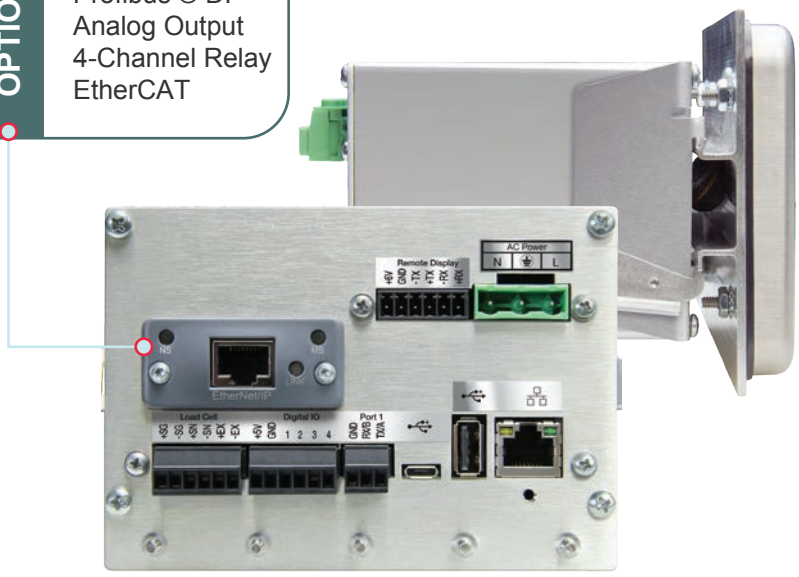
Adaptive filtering eliminates interference from vibration or noise, speeding up the communication process. You can be confident that the displayed output is not only accurate, but also responsive despite environmental interference.

EXPANSIVE COMMUNICATION

The expanded communication capabilities allow Performance Series indicators to deliver a wide variety of connectivity options. Connect directly to a PC through the USB device port Analog output adds even more communication capacity. Six available option cards can be added for communicating through fieldbus protocols including: EtherNet/IP, Profinet, Modbus TCP, DeviceNet, EtherCAT and Profibus DP.

OPTION SLOTS

- EtherNeVIP™
- Profinet®
- Modbus TCP®
- DeviceNet®
- Profibus ® DP
- Analog Output
- 4-Channel Relay
- EtherCAT



Actual size
5.50 W x 4.00 H x 4.95in D

880

USB (device)

Modular Controler Box

880 PERFORMANCE

The sleek design of the 880 not only looks great, it also fits great into existing and new panels alike. At just under five inches deep, the efficiently designed enclosure fits easily into compact spares with DIN-rail clip to make mounting quick and effortless. The 880's modular design enables the display to be remotely mounted, especially useful for instances when it is inconvenient to mount the controller on a conventional panel.

880 PERFORMANCE PLUS

Equipped with a universal mount, the 880 Plus delivers all of the powerful features of the 880 when a panel mount isn't necessary. The numeric keypad simplifies the user experience, making operations more convenient and flexible.

Strong Communicator

Data compatibility is assured with customizable demand formats for gross, net, accumulator and setpoints; and customizable stream format Onboard communication includes:

- RS-232 or Rs-485
- USB (device)
- Ethernet TCP/IP (Server and Client)

Growth Potential

The 880 Performance Series easily adapts to almost any application. Use the option slot to enhance functionality with:

- Analog output with 0-10 VDC, 0-20mA, 4-20mA; configurable negative value tracking
- Dry contact four-channel relay board increase the number of available outputs
- Fieldbus protocols including EthernNet/IP, Profinet, Modbus TCP, DeviceNet, EtherCAT and Profibus DP

Advanced Design

Efficient construction incorporates next-generation technology in an intelligent, compact form.

- IP69K stainless steel enclosure endures harsh environments
- Bright, six-digit, 14-segment LED display
- Panel mount display can be mounted extemally from the controller
- Panel mount provides external pluggable connection

Concentrated Power

The 880 Rider Series is packed with top-end performance.

- Selectable up to 960 Hz AID sample rate
- Batch engine with 20 setpoints and 12 setpoint types (sequenced or free-running)
- Programmable with iRite for custom applications
- Four digital 1/0 can be used as operator inputs or control outputs
- Powered by AC or DC

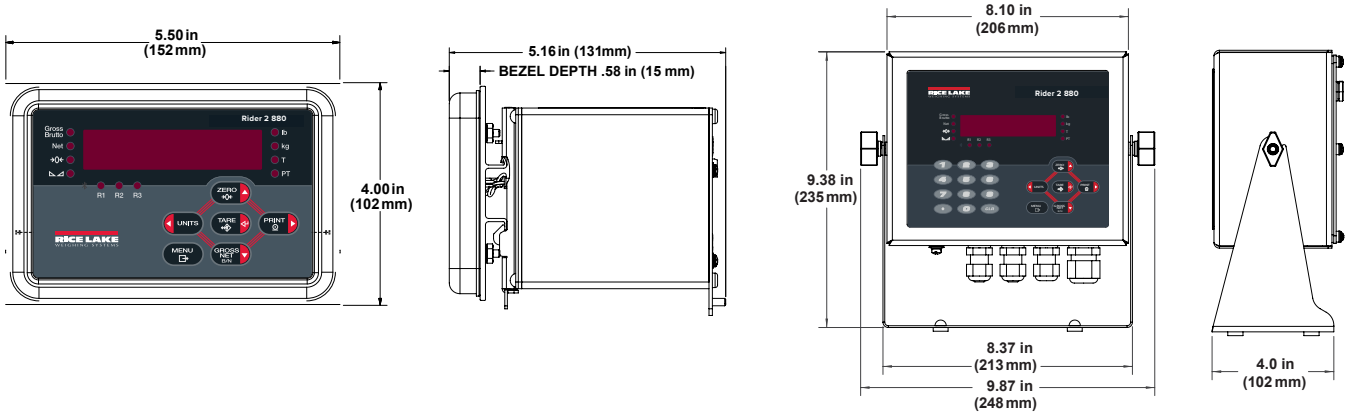
880 process weighing controller

STANDARD FEATURES

- LED display, 0.56in (14mm), six-digit, 14-segment
- RS-232 or RS-485 serial port
- USB device port connects directly to a PC
- Programmable with iRite
- Ethernet TCP/IP polled or continuous
- AC or DC models
- Built-in DIN-rail spring locking clip on controller box (panel mount)
- Display and controller can be separated up to 250ft (panel mount)
- Hardware slot for one option card
- Operator functions through Menu key for audit trail, preset tare, accumulator, time & date and setpoints
- Audit trail tracking for configuration and calibration changes
- Password protection for user and configuration changes
- 20 setpoints with latched batch engine or unlatched outputs
- Four onboard digital VO channels
- Programmable ticket formats up to 1000 characters for header text, gross, net, accumulator, setpoints
- Local/Remote operation
- Multi-range or multi-interval weighing
- Filter settings for light, medium and heavy noise

OPTIONS/ACCESSORIES

- Analog output, 16-bit resolution, 0-10VDC, 0-20mA, 4-20mA
- Relay output, four dry contact, normally open (SPSI) 30VDC/250 VAC at 3 amps
- Interface for Profineft, Profibus9 , Modbus TCP9, EtherNet/IP™, DeviceNeft and EtherCAT protocols
- Metrological hardware sealing kit
- Adapter plate for converting 310A and 520 panel mounts
- Panel mount kit for universal enclosure
- Backplate with RJ-45 receptacle



Specifications	Descriptions
Power:	Input voltages: 100-240VAC or 12-24VOC Input frequency: 47-63Hz
Excitation Voltage:	10 VDC, 8 x 350Ω(16 x 700Ω) load cells
Input Range:	-45mV to 45mV
Sensitivity:	0.3µV/graduation minimum at 7.5Hz 1.0µV/graduation typical at 120Hz 4.0µV/graduation typical at 960Hz
A/D Sample Rate:	7.5 to 960Hz, software selectable
Resolution:	Internal: 8 million counts/23 bit Weight display: 100,000
System Linearity:	±0.01% full scale
Digital I/O:	Four I/O onboad primay keys, pseudo functions, batching functions
Circuit Protection:	18 K\/, 10V/meter
Communication:	RS-232 full duplex or RS-485 half duplex USB micro A/B comector 2.0 Ethernet TCP/IP
Display:	LED, 0.56in (14mm), six-digit, 14 -segment with decimal or comma
Amunciators:	Gross, net, center of zero, standstiH, lb, kg, tare, preset tare, range 1/2/3
Keyboard:	Flat membrane panel, tactile feel
Operating Temperature:	Legal: 14°F to 104°F (-10°c to 40°C) Industrial: 14°F to 122°F (-10°C to 50°C)
Weight:	Panel: 2.5lb (1.2kg) Universal: 8lb (3.6kg)
Rating:	NEMA Type 4X, IP69K
Material Panel:	Display: Stainless steel Controller: Aluminum
Material Universal:	Stainless steel
Warranty:	Two-year limited warranty

SMART SUPPORT

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