What can the 920i® do for your operation?

Visit www.ricelake.com to learn more about the 920i and how our revolutionary iRite™ programming tools bring a new level of versatility and simplicity to your operation.

**Standard Features**
- Large 4.6” W x 3.4” H, 320 x 240 pixel backlit LCD graphical display
- Selectable character sizes from 20” to 1.2”
- Display up to four scale channels with required legal-for-trade information per screen
- Five displayed soft keys with 10 user-defined and 14 preset functions per screen
- Selectable A/D measurement rate up to 900 Hz/second
- Power for (16) 350 Ω load cells per A/D option card
- Peak hold, rate of change
- Auto-Trail Tracking and Alarms storage
- Multiple ranges/interval weighing
- Four bidirectional communication ports
- Local/remote keypress operation
- Operator prompts/256 widgets
- Multiple screens (program control)
- Eight onboard data bases
- Six onboard digital I/O
- 100 configurable setpoints
- Two onboard option card slots
- 1,000 ID truck registers for in/out weighing
- Programmable Tolstot formats - 20 auxiliary print formats
- ESR event-driven processing
- User programmable 512 K flash memory
- IQBEE connectivity
- 50 individual scale accumulators
- Front panel or serial configuration/calibration
- NEMA 4X/304 stainless steel enclosure
- PS/2 or USB keyboard port for data entry

**Options/Accessories**
- Digital I/O, 24 channel
- A/D dual or single channel
- 0-4kHz pulse input
- Analog output selectable (0-10V, 0-20mA)
- Analog input (+/- 5VDC, 0-10% 0-20mA)
- Thermocouples (B, J, K, N, T)
- Memory, 1MB (14 MB optional)
- Two channel serial (RS-232, RS-485 and 20 mA)
- Two- and six-card expansion boards
- DC-DC 9-36 converter
- PS/2 keyboard
- Fiber optic interface
- Trans-reflective display for sunlight applications
- Port 2 interface PS/2 or USB connections
- Communication protocol cards
  - DeviceNet™
  - Allen-Bradley® Remote I/O
  - Ethernet-MF™
  - ControlNet™
  - Profinet™ DP
  - Ethernet TCP/IP 10/100 Base-T
  - Wireless LAN

**Enclosure Options**
- Universal Mount
  - Common Applications
    - General purpose indoor/outdoor
    - Confined space
    - Data entry
  - Model-Specific Features
    - 360° mounting configuration
    - Accommodates two option cards internally (up to 14 total)
- Wall Mount
  - Common Applications
    - Control systems
    - Industrial indoor/outdoor
    - Material handling
  - Model-Specific Features
    - Space for manual overrides
    - Accommodates eight option cards internally (up to 14 total)
    - Accommodates internal relays
- Deep Universal Mount
  - Common Applications
    - General purpose indoor/outdoor
    - Four option cards
  - Model-Specific Features
    - Ergonomically efficient
    - Accommodates four option cards internally (up to 14 total)
- Panel Mount
  - Common Applications
    - Process control
    - Retrofit existing panels
    - Custom consoles
  - Model-Specific Features
    - Optimizes panel space
    - Accommodates four option cards internally (up to 14 total)

**Communication Options**
- Operator prompts/256 widgets
- Multiple screens (program control)
- Eight onboard data bases
- Six onboard digital I/O
- 100 configurable setpoints
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Your Rice Lake Weighing Systems distributor is:

230 W. Coleman St. • Rice Lake, WI 54868 • USA
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Specifications subject to change without notice.
A masterpiece of innovation

Different, yet intuitively familiar for even the least experienced operators. The 920™ is truly the first of its kind to blend revolutionary user interface, total flexibility and ultimate processing performance with the simplicity of a basic weight meter. We have taken the best features from weight instruments, PLCs and computers and added more robust electronics, a crisp graphical display and programmable softkeys. Put it all together inside a virtually indestructible enclosure and you have one of the most advanced HMIs the industry has ever seen. Adding an entirely new dimension in flexibility for solution providers and users alike, the 920 delivers simplified customization at a fraction of the cost of traditional process instrumentation. From tailored “basic” weighing, to complex process automation, the 920 gives you exactly what you need, exactly the way you want it.

Intelligent in concept

While most programmable indicators/controllers can run complicated programs, operating them can be equally difficult. The 920’s intelligent design has changed all that. We’ve combined performance-driven circuitry, simplified architecture, and intuitive features to provide an instrument that offers virtually unlimited power, yet is remarkably easy to use. An integrated PS/2 or USB port allows for quick data entry and added more robust electronics, a crisp graphical display and programmable softkeys. Put it all together inside a virtually indestructible enclosure and you have one of the most advanced HMIs the industry has ever seen. Adding an entirely new dimension in flexibility for solution providers and users alike, the 920 delivers simplified customization at a fraction of the cost of traditional process instrumentation. From tailored “basic” weighing, to complex process automation, the 920 gives you exactly what you need, exactly the way you want it.

Customizable soft keys put increased productivity at your fingertips. Get instant access to frequently used functions such as selecting a formula, starting a batch, beginning a data collection sequence, or searching or sorting a file. They can be redefined throughout a program, providing a virtually unlimited number of soft keys. When your process changes, soft key functions can easily be modified in the field.

Data acquisition and storage play a vital role in successful supply chain management. From simple transaction and inventory records to complex data manipulation, the 920 will help you manage critical information in a way that best fits your process. Customize database files to store information like ID numbers, transactions, formulas, label formats, and PLUs. With optional memory upgrades, the 920 can house multiple database files or allow you to download information to a standard data management software program on your PC.

Momentum for business

As companies are continually pressed to do more with fewer resources, they expect more from their equipment. The 920 delivers the speed you need to stay ahead of the competition. Combining the power of three advanced features, it processes data many times faster than existing programmable instrumentation.

For high-speed checkweighing, batching and filling, single or multiple A/Ds at selectable rates from 7.5 to 960 updates per second, the 920 is as responsive as they come. The industry’s most effective digital filtering and a selectable display update rate ensure accurate, stable weighments.

For program-controlled functions, the 920 has removed the slowest step in the internal process—language compilation. When teamed with the latest industrial chip technology, the result is extremely efficient processing.

Until now, performing even simple weighing operations while running a program put your operation into slow motion. We’ve changed all that with ESP technology (Event Sequential Protocol). The 920 is a master multi-tasking tool. Similar to computer processing technology, events are identified, prioritized and executed by handlers with unprecedented efficiency. In the time it takes most other programmable instruments to loop through a process cycle and address a single random process, the 920 can execute a sequence of critical tasks in order of highest priority.

Flexibility by design

The 920’s modular design allows you to choose only the options necessary for your current application, yet leaves room for future expansion. Whether your process requires multiple scales or connection to other peripherals, the 920 offers a full range of options* to get the job done.

Easily integrated into new or existing automation systems, the 920 provides open connectivity to the most popular networking interfaces. In fact, with the ability to communicate with and control your other indicators, it performs much like a traditional PLC.

*Requires hardware expansion and is dependent upon option combination.

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