

# 920i<sup>®</sup>

PROGRAMMABLE HMI  
INDICATOR/CONTROLLER

Available  
with  
**USB**



**NASCO-OP**<sup>™</sup>  
Power of Numbers

800-321-3396  
[www.nascoop.com](http://www.nascoop.com)

# Flexibility. Power. Simplicity

## A masterpiece of innovation

Different, yet intuitively familiar for even the least experienced operators. The 920i® is truly the first of its kind to blend revolutionary user interfaces, 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. From tailored “basic” weighing, to complex process automation, the 920i 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 920i combines 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 from a keyboard and seamless communication with a PC or other peripheral device.

An unlimited number of customizable soft keys puts 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. When your process changes, soft key functions can easily be modified in the field.

From simple transaction and inventory records to complex data manipulation, the 920i 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 920i can house multiple database files or allow you to download information to a standard data management software program on your PC.

### The ultimate user-interface

Character sizes are selectable from .25 up to 1.2 inches to tailor the display to the information required.

### Bar graphs

Real-time bar graphs show filling and batching.

### Prompting

Customized scrolling prompts guide operators through functions.

### Soft keys

Multiple user-defined and preset functions are available simultaneously through five convenient soft keys with easy-to-read scrolling tabs.

### NEMA 4X/IP66

Heavy-duty, stainless steel enclosure for enhanced protection in harsh environments.

### Nav-pad

Convenient navigation pad increases efficiency and accuracy.

### Graphic icons and messages

Alerts operators to setpoint and function status.

### Stainless steel domed switches

Heavy-duty tactile feel keys feature stainless domes tested to over five million actuations!

### Event Sequential Protocol

The most advanced processing technology in the industry.









# What can the 920i<sup>®</sup> do for your operation?

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

## 920i<sup>®</sup> PROGRAMMABLE HMI INDICATOR/CONTROLLER

### Standard Features

- Large 4.6" W x 3.4" H, 320 x 240 pixel back-lit LCD graphical display
- Selectable character sizes from .25" 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 960/second
- Power for (16) 350Ω load cells per A/D option card
- Peak hold, rate of change
- Audit trail tracking and alibi storage
- Multiple range/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 ticket formats - 20 auxiliary print formats
- ESP event-driven processing
- User programmable 512K flash memory
- iQUBE<sup>2</sup> connectivity
- 32 individual scale accumulators
- Front panel or serial configuration/calibration
- NEMA 4X/IP66 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
- 0-4 kHz pulse input
- Analog output selectable (0-10V, 0-20mA)
- Analog input (-/+ 5VDC, 0-10V, 0-20mA)
- Thermocouple (E, J, K, N, T)
- Memory, 1 MB (14 MB optional)
- Two channel serial (RS-232, RS-485 and 20mA)
- Two- and six-card expansion boards
- DC-DC 9-36 converter
- PS/2 or USB keyboard
- Fiber optic interface
- Trans-reflective display for sunlight applications



### Communication protocol cards

- DeviceNet™
- Allen-Bradley® Remote I/O
- EtherNet/IP™
- ControlNet™
- Profibus® DP
- Ethernet TCP/IP 10/100 Base-T
- Wireless LAN (Wi-Fi)

### Enclosure Options

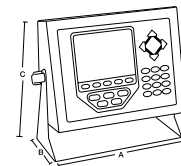
#### Universal Mount

##### 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)



A = 10.8" B = 5.3" C = 10.9"

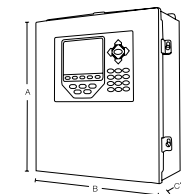
#### Wall Mount

##### 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



A = 18" B = 14.3" C = 6.75"

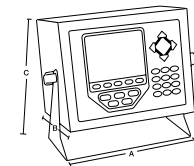
#### Deep Universal Mount

##### Common Applications

- General purpose indoor/outdoor
- Four option cards

##### Model-Specific Features

- Ergonomically efficient
- Accommodates four option cards internally (up to 14 total)



A = 11" B = 5.25" C = 10.8"

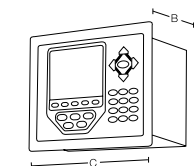
#### Panel Mount

##### Common Applications

- Process control
- Retrofit existing panels
- Custom consoles

##### Model-Specific Features

- Optimizes panel space
- Accommodates four option cards internally (up to 14 total)



A = 9.2" B = 5.2" C = 11.6"

### Approvals



Your Rice Lake Weighing Systems distributor is:



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