

920i[®]

PROGRAMMABLE HMI
INDICATOR/CONTROLLER

Available
with
USB



“WEIGH”



Better

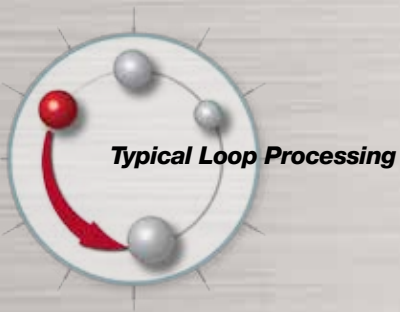


PROGRAMMABLE HMI INDICATOR/CONTROLLER

Flexibility. Intelligence. Programmability. It's all in the box.

The 920i® indicator/controller blends revolutionary user interfaces, total flexibility and processing performance with the simplicity of a basic weight indicator. A crisp, highly customizable LCD graphical display, programmable softkeys and industry-recognized electronics are surrounded by a virtually indestructible enclosure to create one of the industry's most trusted controllers.

Adding an entirely new dimension in flexibility for solution providers and users alike, the 920i indicator/controller brings simplified customization at a fraction of the cost of traditional process instrumentation. From tailored basic weighing to complex process automation, the 920i HMI indicator/controller gives you features, programmability and power for your process.



Typical Loop Processing



Event Based Processing

Completed Tasks
 Uncompleted Tasks

ESP technology identifies, prioritizes and executes events for increased efficiency and multi-tasking



Bar graphs and visual cues inform users when a batch or fill is in process and when it's approaching target weights.



Customized database programs allow you to store, access and analyze critical production information.



A 32-channel display capability allows viewing of weight on an individual scale and a combination of totalized scales.





THE ULTIMATE USER-INTERFACE

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

NAV-PAD

Convenient navigation pad increases efficiency.

BAR GRAPHS

Real-time bar graphs show progress of filling/batching.

GRAPHIC ICONS AND MESSAGES

Provide visual user feedback for alerts and function status.

SOFT KEYS

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

EVENT SEQUENTIAL PROTOCOL

The most advanced processing technology in the industry.

STAINLESS STEEL DOMED SWITCHES

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

PROMPTING

Customized prompts guide operators through functions.

NEMA TYPE 4X/IP66

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



Leading Design

The 920i combines recognized performance, simplified architecture and intuitive features to provide a powerful instrument that is remarkably easy to use.

- Large 4.6" W x 3.4" H, 320 x 240 pixel backlit LCD graphical display
- Integrated PS/2 or USB port allows for quick data entry from a keyboard and seamless communication with a PC or other peripheral device
- NEMA Type 4X, IP66 stainless steel enclosure

Proven Performance

The 920i delivers the speed, responsiveness and accuracy you need to stay ahead of the competition.

- Simultaneously view up to 32 sensor inputs, or up to four Legal for Trade scales
- Single or multiple A/Ds feature selectable rates from 7.5 to 960 updates per second
- ESP technology identifies, prioritizes and executes events for increased efficiency and multi-tasking
- Power for (16) 350Ω load cells per A/D single or dual option card
- Rock-solid digital filtering and a selectable display update rate ensure accurate, stable weighments

Flexibility

The 920i's modular design allows you to choose only the options necessary for your current application, yet leaves room for future expansion.

- Easily integrates into new or existing automation systems
- Open connectivity for the most popular networking interfaces
- 100 configurable setpoints and six onboard digital I/O
- Two onboard option card slots (expandable to 14) for increased functionality, including communication protocols such as DeviceNet™, Allen-Bradley® Remote I/O, Ethernet/IP™, ControlNet™, Profibus®, Ethernet TCP/IP and Wi-Fi

The Power of Programmability

Customization puts increased productivity at your fingertips. The 920i features versatile programming options for increased process efficiency in virtually any application.

- Up to 10 different screens can change with any given process
- Real-time bar graphs show progress of filling or batching systems
- Graphic icons and messages show user alerts and function status
- Customizable softkeys give instant access to frequently used functions
- Use Rice Lake's intuitive iRite® software to bring a new level of sophistication to your operation with custom applications



What can the 920i[®] do for your operation?

Visit 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[®] 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) 350 Ω load cells per A/D single/dual 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
- iQUBE² 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), single or dual
- Analog input (-/+ 5VDC, 0-10V, 0-20 mA)
- Thermocouple (E, J, K, N, T)
- Memory, 1 MB (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 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

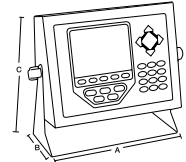
Universal Mount

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"

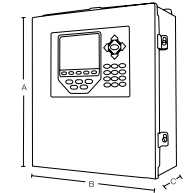
Wall Mount

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"

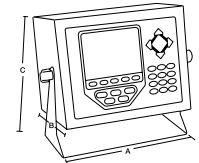
Deep Universal Mount

Common Applications

- General purpose indoor/outdoor

Model-Specific Features

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



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

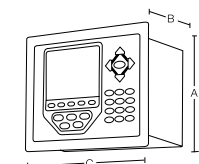
Panel Mount

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



QC #01-088
Accuracy Class
III/IIIH ρ_{max} : 10,000



Universal, Deep and
Wall Mount cUL listed
Panel Mount cUL recognized



AM-5426
Accuracy Class
III/IIIH ρ_{max} : 10,000



LJK 2658
Accuracy Class
III ρ_{max} : 6000/10,000

"WEIGH" Better



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