

920i

PROGRAMMABLE HMI
INDICATOR/CONTROLLER



RICE LAKE WEIGHING SYSTEMS

Commitment Beyond Measurement™

Whatever you do...

If you can imagine it, *i* can do it.

The 920i is built with best-in-class core features that allow you to control your process with unprecedented efficiency. From there, it's up to you. With a unique modular design and tools that simplify custom programming, the 920i can be and do exactly what your application requires.



data management | in-motion checkweighing | batching | tank/hopper weighing



high speed | vehicle scale automation | custom process | truck/vehicle weighing



i can do it easier, faster and smarter.



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.

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.

NEMA 4X/IP66
Heavy-duty, stainless steel enclosure for enhanced protection in harsh environments.

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



the 920i has raised the industry bar in A/D speed. Running single or multiple A/Ds at selectable rates from 7.5 to 960 updates per second, the 920i is faster than any competitive programmable indicator. The industry's most effective digital filtering and a selectable display update rate ensure accurate, stable weighments.

For program controlled functions, the 920i 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.

Multi-tasking at the speed of i. Until now, performing even simple weighing operations while running a program put your operation into slow motion. We've changed all that with technology we call ESP (Event Sequential Protocol). 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 resource demand, the 920i has already executed a sequence of critical tasks in order of highest priority.

i am flexibility. The rapidly changing business climate requires products that will meet today's needs and evolve to exceed tomorrow's demands. The 920i'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 920i offers a full range of options* to get the job done:

- Up to 28 A/Ds (scales) and 32 channels
- 100 setpoints
- Up to 340 digital I/O
- Up to 32 serial ports
- Up to 14 analog outputs
- Up to 14 pulse inputs

Easily integrated into new or existing automation systems, the 920i 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.



Your window of opportunity to a new dimension in process efficiency.

- Real-time bar graphs show filling and batching
- Simultaneously view up to 32 sensor inputs, or up to 4 legal-for-trade scales
- Up to 10 different screens can be programmed to change with your process
- Graphic icons and messages show setpoint and function status



Bar graphs and visual messages inform you at a glance when a batch or fill is in process and when it's approaching target weights.



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



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



*Requires hardware expansion and is dependent upon option combinations.

What can the 920i do for YOUR operation?

Find out at WWW.RLWS.COM



920i video



interactive front panel demonstration



application specific overviews

Rice Lake Weighing Systems manufactures and distributes a full line of process control weighing equipment. Request literature, download data sheets, or request a quote at WWW.RLWS.COM

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
- 32 individual scale accumulators
- Five displayed soft keys with 10 user-defined and 14 preset functions per screen
- Front panel or serial configuration/calibration
- NEMA 4X/IP66 stainless steel enclosure
- Four bidirectional communication ports
- Operator prompts
- Four on-board digital I/O
- 100 configurable setpoints
- Two option card slots
- 1000-ID truck registers for in/out weighing
- Programmable ticket formats
- ESP event-driven processing
- User programmable 128K flash memory
- Power for (16) 350Ω load cells per A/D option card
- Multiple screens (program control)
- iQUBE connectivity

Options/Accessories

- Digital I/O, 24 channel
- A/D dual or single channel
- 0-4 kHz pulse input
- Analog output selectable (0-10V, 0-20 mA)
- Analog input (-/+ 5VDC, 0-10V, 0-20 mA)
- Memory, 1 MB
- Two channel serial (accommodates RS-232, RS-485 and 20mA current loop)
- Two- and six-card expansion boards

Communication protocol cards

- DeviceNet™
- A-B® Remote I/O
- Profibus® DP
- Ethernet TCP/IP 10/100 Base-T module

RS-232
RS-485

20 mA
current loop

DeviceNet

PROFIBUS
DP

ROSWELL AUTOMATION
ENCOMPASS
AMERICA'S PARTNER

Ethernet
TCP/IP

Approvals



CC #01-088
n_{max} = 10,000
Class III/IIIL



Desktop/Universal listed
Wall Mount listed (50BA control panel)
Panel Mount recognized



Measurement
Canada
Approved



PRODUCT GROUP



6000/10,000
UK 2658

Enclosure Options

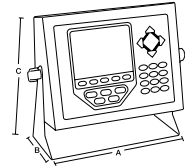
Universal Mount

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 = 10.5" B = 4.5" C = 11.5"

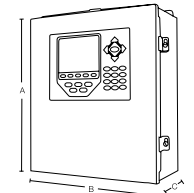
Wall Mount

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 = 16" B = 14" C = 6.75"

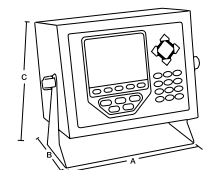
Deep Universal Mount

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 = 5.8" C = 10.8"

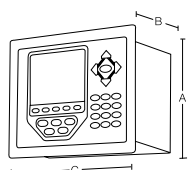
Panel Mount

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 = 9.1" B = 5" C = 11.6"

Your Rice Lake Weighing Systems distributor is:

RICE LAKE WEIGHING SYSTEMS
Commitment Beyond Measurement™



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Specifications subject to change without notice