

PROGRAMMABLE INDICATOR/CONTROLLER









What can the 920i do for 90UR operation?

And our at WWW.applied weighing.co.uk





interactive front page demonstration



application specific **DVDPVIDWS**

applied Weighing International Limited manufactures and distributes a full range of process control weighing equipment. Visit our website for further information @ WWW.appliedweighing.co.uk

Standard Features

- Large 117mm W x 86mm H, 320 x 240 pixel back-lit LCD graphical display
- Selectable character sizes from 6mm to 30.5mm
- · 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 bi-directional communication ports
- Operator prompts

- Four on-board digital I/O
- 100 configurable setpoints
- Two option card slots
- 1000-ID vehicle registers for in/out
- Programmable ticket formats
- ESP event-driven processing
- User programmable 128K flash memory
- · Power for 16 (350 ohm) load cells per A/D option card
- · Multiple screens (program control)

Enclosure Options

Universal Mount



A = 267mm B = 115mm C = 292mm

Common Applications

- · General purpose indoor/outdoor
- · Confined space
- · Data entry

Model-Specific Features

- 360° mounting configuration
- Accommodates 2 option cards internally (up to 14 total)

Wall Mount



A = 406mm B = 355mm C = 171mm

Common Applications

- · Control systems
- · Industrial indoor/outdoor
- · Material handling

Model-Specific Features

- Space for manual overrides
- Accommodates 8 option cards internally (up to 14 total)
- · Accommodates internal relays

Option Cards

- · Digital I/O, 24 channel
- · A/D dual or single channel
- · 0-4 kHz pulse input
- Analog output selectable (0-10V, 0-20 mA)
- Memory, 1MB

DeviceNet

· Remote I/O

· Profibus DP

 Two channel serial (accommodates RS-232. RS-485 and 20 mA current loop)

Ethernet TCP/IP 10/100 Base-T module

· 2- and 6-card expansion boards

Communication protocol cards

RS-232 RS-485

20 m A









Desktop



A = 267mm B = 216mm C = 115mm

Common Applications

- · Data entry
- · Weighbridge
- · Office environment

Model-Specific Features

- · Ergonomically efficient
- Accommodates 2 option cards internally (up to 14 total)

Approvals



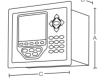
Class III/IIIL







Panel Mount



A = 231mm B = 127mm C = 295mm

Common Applications

- · Process control
- · Retrofit existing panels
- · Custom consoles

Model-Specific Features

- Optimizes panel space
- Accommodates 4 option cards internally (up to 14 total)









Class III



In the interest of continued product development, Applied Weighing reserves the right to alter product specifications without prior notice. Applied Weighing International Limited, Unit 5, Southview Park, Marsack Street, Caversham, Reading, England RG4 5AF Tel: (0118) 9461900 Fax: (0118) 9461862 E-mail: sales@appliedweighing.co.uk Web site: www.appliedweighing.co.uk

Whatever you do...

If you can imagine it, can do it.

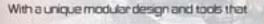


The 920 is built with best-in-class core

features that allow you to control your

weighing process with unprecedented

efficiency. From there, it's up to you.



simplify custom programming, the 920 can be

and do exactly what your application requires.



















Whatever you imagine...

Simplicity, ultimate flexibility, infinite power. i am different.

Yes, the revolutionary 920i is indeed different. Different. yet intuitively familiar for even the least experienced operators.

exactly the way you want it.

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 took several key features from weight instruments, PLCs and computers, incorporated robust state-of-the-art electronics and wrapped them in virtually indestructible packaging options to deliver the most advanced programmable instrument the industry has ever seen. • Adding an entirely new dimension in flexibility for solution providers and users alike, the 920i delivers simplified customisation at a fraction of the cost of traditional process instrumentation. From tailored "basic" weighing, to complex process automation, the 920i gives you exactly what you need,

programs, operating them can be equally difficult. The 920i'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. Customised soft keys put increased productiv-

i am intelligence. While most pro-

grammable indicators/controllers can run complicated

ity at your fingertips. Programmable keys provide 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 920i will help you manage critical information in a way that best fits your process. Battery-backed memory allows you to customise database files to store information like ID numbers, transactions, formulas, label formats, and PLUs. With up to 14MB of optional memory, the 920i can house multiple database files or allow you to download information to a standard data management software program on your PC.



i can do it easier, faster



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

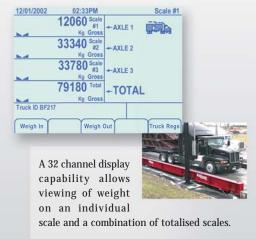
Heavy-duty, stainless steel enclosure for enhanced protection in harsh environments.

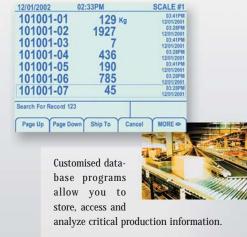
Your window of opportunity to a new dimension in process efficiency.

• Real-time bar graphs show filling and batching

- Up to 10 different screens can be programmed to change with your process
- Simultaneously view up to 32 sensor inputs, or up to 4 Legal-for-Trade scales Graphic icons and messages show setpoint & function status







and smarter.

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 16 times faster than the closest published competitor claim.* 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, prioritised 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/0
- · Up to 32 serial ports
- Up to 14 pulse inputs
- · Up to 14 analogue outputs

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.

SENSORS

load cells force level photoeyes switches proximity thermocouples densitu

DATA INPUTS

scanners

INSTRUMENTS indicators

dcs scada

touch screen



COMPUTERS

minicomputer mainframe

НМІ

alarms horns liahts remote displays message centres

CONTROL **DEVICES**

valvos motors gates conveyors solenoids

PRINTERS

ticket tape

document





event based 'ESP' processing



*A/D conversion rate comparison based on latest published claims of competitive programmable indicators.

*Requires hardware expansion and is dependent upon option combinations.