

SR1

DYNAMIC IN-MOTION
CHECKWEIGHER



AP IN-MOTION[™]
CHECKWEIGHERS

RICE LAKE WEIGHING SYSTEMS

Commitment Beyond Measurement[™]

www.rlws.com

SR1 DYNAMIC IN-MOTION CHECKWEIGHER

Two partners, one vision.

Since 1994, AP Dataweigh Systems has provided industrial, in-motion weighing solutions to companies around the world. AP Dataweigh's high performance checkweighers are open-architected solutions that easily configure and successfully integrate into a number of applications including logistics and distribution, consumer packaged goods, material handling, and food processing. Rice Lake Weighing Systems is internationally known as a leading manufacturer of industrial weighing equipment and intelligent process-control systems. Together, Rice Lake and AP Dataweigh Systems bring you AP Dataweigh's robust in-motion checkweighers and case weighers driven by Rice Lake's powerful 920i HMI controller. This impressive combination gives users ultimate control over their checkweighing processes.

Dynamic checkweighing solutions for your unique application

SR1 checkweighers are ideal for checkweighing out-of-tolerance products, locating missing components and sorting by weight. These dynamic in-motion checkweighers are open-architected, making serviceability and spare part acquisition uncomplicated. The AP Dataweigh roller design enables the SR1 to weigh up to 200 pieces per minute and repeat to an accuracy of ± 1 gram. And in simpler applications, the SR1 can repeat to an accuracy of ± 0.2 grams.

Driven by Rice Lake's intelligent 920i HMI controller, all SR1 checkweighers deliver real-time statistical data through various network options. The robust processing power and expanded networking capabilities enable the 920i to easily communicate with printers, PCs, scanners, and other peripheral equipment.



The 920i HMI controller features a large display screen, configured with icons, prompts, messages, soft keys, and selectable character sizes.

920i HMI Controller Features

- Customized prompts guide operators through functions
- Real-time graphic representation of inventory
- Graphic icons and messages show function status
- Convenient navigation pad increases efficiency and accuracy
- Large 4.6" W x 3.4" H 320 x 240 pixel back-lit LCD graphical display
- Selectable character sizes from 0.25" to 1.2"
- 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
- Communication protocol cards include DeviceNet™, Allen-Bradley® Remote I/O, Profibus® DP, and Rockwell's Ethernet TCP/IP

SR1 Options/Accessories

- Rejection systems
- Custom programs
- Metal detection
- Over/under light bars
- Portability packages
- Draft shields
- Emergency stops
- Networking
- Bar code scanners
- Stainless steel construction
- Washdown-rated

Specifications

Configurations:	2 to 4 conveyor beds
Construction:	Stainless steel or powder coated mild steel
Package Size:	1.5" L x 0.5" W to 12" L x 8" W (3.81 cm x 1.27 cm to 30.48 cm x 20.32 cm)
Package Weight:	0.176 oz to 15 lb (5g to 6.8kg)
Accuracy:	From ± 0.2 g to ± 1.0 g
Speed:	Up to 200 products per minute
Applications:	Industrial and food processing
Container Types:	Boxes, bags, pouches, trays, tubs, cups, blister packs, display packs, clam shells
Rollers:	1" (2.54 cm)
Belts:	Various belt sizes Tool-less belt tensioning and tracking
Load Cells:	Spike filtering load cells

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