

Belt Scale Integrator

Specifications: 920i® Integrator

Power:

Line voltages: 115 or 230 VAC,
Frequency: 50 or 60 Hz

Power Consumption:

340 mA, maximum at 115 VAC (26W)
240 mA at 230 VAC (26W)

Excitation Voltage:

10 ± VDC, 16 x 350 Ω or 32 x 700 Ω load cells per A/D card

Analog Signal Input Range:

-10 mV to +45 mV

Analog Signal Sensitivity:

0.3 μV/graduation minimum at 7.5 Hz
1.0 μV/graduation typical at 120 Hz
4.0 μV/graduation typical at 960 Hz
A/D sample rate: 7.5 to 960 Hz, software selectable

Resolution:

Internal resolution: eight million counts
Weight display resolution: 9,999,999
System linearity: ± 0.01% full scale

Digital I/O:

Six I/O channels on CPU board; optional 24-channel I/O expansion boards available

Circuit Protection:

RFI, EMI, ESD protection

Serial Ports:

Four ports on CPU board support up to 115,200 bps; optional dual-channel serial expansion boards available
Port 1: Full duplex RS-232
Port 2: RS-232 with CTS/RTS;
PS/2 keyboard interface via DB-9 connector
Port 3: Full duplex RS-232, 20 mA output
Port 4: Full duplex RS-232, 2-wire RS-485, 20 mA output

Display:

(W x H) 4.6 x 3.4 in (116 x 86 mm)
320 x 240 pixel VGA liquid crystal display (LCD) module with adjustable contrast

Keyboard:

27-key membrane panel, tactile feel, PS/2 port for external keyboard connection

Operating Temperature:

14° F to 104° F (-10° C to 40° C)
Industrial: 14° F to 122° F (-10° C to 50° C)

Dimensions:

Universal: (W x H x D) 10.5 x 10.9 x 4.5 in (266 x 215 x 114 mm)
Deep universal: (W x H x D) 10.75 x 10.75 x 5.4 in (273 x 273 x 137 mm)

Weight:

Panel mount enclosure: 8.5 lb (3.9 kg)
Deep universal: 11 lb (5.0 kg)

Rating/Material:

NEMA Type 4X/IP66, stainless steel

Warranty:

Two-year limited warranty on integrator and load cells

Approvals:

CE marked;
UL and C-UL listed (universal, deep and wall mount enclosure)
Custom wall mount approved for 508A (optional)
Panel mount UL recognized



920i® Integrator

APPROVALS



Standard Features

- Large (W x H) 4.6 x 3.4 in 320 x 240 pixel backlit LCD graphical display
- NEMA Type 4X/IP66 stainless steel display enclosure
- Four bidirectional communication ports
- Rate and speed time displayed by the hour, minute or second
- Measurement displayed in feet or meters
- Unit of rate displayed in tons, pounds, kilograms, metric tons or long tons
- Digital I/O for totalizer
- Analog outputs optional
- Alarm outputs optional
- For added security, integrator has the ability to be password protected
- Optional communication protocol cards include ControlNet, Rockwell Automation's DeviceNet, Rockwell Automation's Remote I/O, Rockwell Automation's EtherNet IP, Profibus DP, 0-10 VAC or 4-20 mA analog output, Ethernet TCP/IP,
- Standard communication RS-232, RS-485, 20 mA current loop
- Built-in support for ticket printing

Part Number/Price

PART #	DESCRIPTION	PRICE
Integrators		
95214	Belt scale integrator 115VAC, deep enclosure	Consult
95215	Belt scale integrator 230VAC, deep enclosure	Consult
170693	Belt scale integrator, panel mount	Consult
170694	Belt scale integrator, wall mount	Consult
107615	Belt scale integrator with UPS 115VAC	Consult
107616	Belt scale integrator with UPS 230VAC	Consult
120550	Belt scale integrator with deep enclosure, two slot expansion, EtherNet IP for A-B, 115V	Consult
120551	Belt scale integrator with deep enclosure, two slot expansion, EtherNet IP for A-B, 230V	Consult
150811	Belt scale integrator with deep enclosure, two slot expansion, analog output	Consult
69782	Two-slot expansion board (wall mount)	Consult
71743	Two-slot expansion board (panel mount & deep universal)	Consult
98057	Ethernet TCP/IP, wireless LAN card 802.11 B/G	Consult
87803	Ethernet IP (specifically for A-B PLC)	Consult
67602	Analog output: selectable 0-10V, 0-20 mA	Consult

Please complete the Belt Scale Questionnaire on page 170 to obtain a firm quote
See Indicators for additional 920 options