920i® Belt Scale Integrator

Specifications

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

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

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: 8 million counts/8,000,000

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

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
- Optional analog and alarm outputs
- 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

APPROVALS

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Part Number/Price

Part #	Description	Price
Integrators		
95214	Belt scale integrator 115 VAC, deep enclosure	$2,475.00
95215	Belt scale integrator 230 VAC, deep enclosure	$2,475.00
170693	Belt scale integrator, panel mount	$2,475.00
170694	Belt scale integrator, wall mount	$2,925.00
107615	Belt scale integrator with UPS 115 VAC	$2,575.00
107616	Belt scale integrator with UPS 230 VAC	$2,575.00
120550	Belt scale integrator with deep enclosure, two slot expansion, EtherNet IP for A-B, 115V	$3,575.00
120551	Belt scale integrator with deep enclosure, two slot expansion, EtherNet IP for A-B, 230V	$3,575.00
150811	Belt scale integrator with deep enclosure, two slot expansion, analog output	$3,125.00
69782	Two-slot expansion board (wall mount)	$300.00
71743	Two-slot expansion board (panel mount & deep universal)	$300.00
98057	Ethernet TCP/IP, wireless LAN card 802.11 B/G	$650.00
87803	Ethernet IP (specifically for A-B PLC)	$800.00
67602	Analog output: selectable 0-10V, 0-20 mA	$310.00

Please complete the Belt Scale Application on page 173 to obtain a firm quote
See Indicators for additional 920i options

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