Belt Scale Integrator

920i® Integrator

Specifications: 920i Integrator

Power:
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
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:
4.6 W x 3.4 in H (116 W x 86 mm H),
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: 10.5 W x 10.9 H x 4.5 in D (266 W x 215 H x 114 mm D)
Deep Universal: 10.75 W x 10.75 H x 5.4 in D(273 W x 273 H x 137 mm D)

Weight:
Panel Mount enclosure: 8.5 lb (3.9 kg)
Deep Universal: 11 lb (5.0 kg)

Rating/Material:
NEMA 4X/IP66, stainless steel

Warranty:
Two-year limited warranty on integrator and load cells

Approvals:
CE marked;
UL & C-UL listed (Universal, Deep & Wall Mount Enclosure)
Custom Wall Mount approved for 508A (Optional)
Panel Mount UL recognized

APPROVALS

Standard Features

- Large 4.6 in W x 3.4 in H 320 x 240 pixel back-lit LCD graphical display
- NEMA 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		
107615	Belt scale integrator with UPS 115 VAC	Consult
107616	Belt scale integrator with UPS 230 VAC	Consult
120550	Belt scale integrator with deep enclosure, 2 slot expansion, EtherNet IP for A-B, 115 V	Consult
120551	Belt scale integrator with deep enclosure, 2 slot expansion, EtherNet IP for A-B, 230 V	Consult
95214	Belt scale integrator 115 VAC, deep enclosure	Consult
95215	Belt scale integrator 230 VAC, deep enclosure	Consult
150811	Belt scale integrator with deep enclosure, 2 slot expansion, analog output	Consult

Please complete the Belt Scale Questionnaire on page168 to obtain a firm quote