

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



Part Number/Price

| Part # | Description | Price |
|--------------------|--|------------|
| Integrators | | |
| 95214 | Belt scale integrator 115 VAC, deep enclosure | \$2,525.00 |
| 95215 | Belt scale integrator 230 VAC, deep enclosure | \$2,525.00 |
| 170693 | Belt scale integrator, panel mount | \$2,525.00 |
| 170694 | Belt scale integrator, wall mount | \$2,975.00 |
| 107615 | Belt scale integrator with UPS 115VAC | \$2,625.00 |
| 107616 | Belt scale integrator with UPS 230VAC | \$2,625.00 |
| 120550 | Belt scale integrator with deep enclosure, two slot expansion, EtherNet IP for A-B, 115V | \$3,625.00 |
| 120551 | Belt scale integrator with deep enclosure, two slot expansion, EtherNet IP for A-B, 230V | \$3,625.00 |
| 150811 | Belt scale integrator with deep enclosure, two slot expansion, analog output | \$3,175.00 |
| 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 181 to obtain a firm quote
See Indicators for additional 920i options