

Specifications: 920i® USB Indicator

Power:

DC voltage: 9-36VDC,
Consumption 25W

Excitation Voltage:

10 ± VDC, 16 x 350Ω or 32 x 700Ω 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: USB Type A and Type B connectors

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 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

Operating Temperature:

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

Weight:

45 lb, weigh center

Rating/Material:

NEMA Type 4X/IP66, stainless steel

Warranty:

Two-year limited warranty

Indicator Approvals:

NTEP CC 01-088, Class III/IIIL 10,000d

Measurement Canada AM-5426,

Class II/III HD 10,000d

OIML UK 2658, 6,000/10,000

CE marked

UL & C-UL listed (Universal,

Deep and Wall Mount Enclosure)



Double-double Assembly

Standard Features System

Legal for Trade Onboard System Includes:

- 3- or 4-point onboard system RL20000B load cell with 20 ft cable, IP67
- 80-ft conduit cable
- Magnetic transport alarm sensor with 15 ft cable
- JB4SS junction box
- Hydraulic line locks and hoses
- 920i® Onboard Weigh Center
- Hydraulic pump not included
- Minimum 3,000 PSI recommended to maintain 2,200 PSI during lift

Approvals:

- NTEP CC 15-102
- Measurement Canada AM-4847

920i Onboard Weigh Center:

- Epson® TM-U295 printer with splash shield
- Pre-installed 30 ft power cable, 30 ft load cell cable and inclinometer
- Transport alarm LEDs
- Power switch
- Start/End switch
- Waterproof enclosure
- Vibration mounts
- Mounting bracket to body not included

920i USB Universal with Onboard Software:

- RS-232 port for connecting to ticket printer
- Standard onboard software
- USB interface board only

USB Interface Functions:

- Available upon special request using a Type A sealed connection
- USB interface card on Port 2
- Supports weigh mode and configuration mode functions
- Supports upload of databases and 920i configuration file
- Supports download of databases, 920i configuration file, iRite®, COD file and firmware file
- Sanity checks for command errors
- Create STD database files

Flash Drives:

- Supports USB 2.0 (optional)
- Create subdirectories by unit ID and database name
- Use the root directory for generic files

Approvals



Measurement
Canada
Approved

TradeRoute™ HL Series

Legal for Trade Onboard Weighing System



Single Assembly



Double Assembly

Specifications RL2000B S-Beam Load Cell

- Full Scale Output:**
3.0 mV/V
- Output Resistance:**
350 (± 3) ohms
- Input Resistance:**
385 (± 5) ohms
- Material/Finish:**
High-alloy steel, nickel plated
- Temperature:**
Compensated range
14°F to 104°F (-10°C to 40°C)
- Seal Type:**
Environmentally sealed, IP67
- Safe Overload:**
150% Full scale
- Rated Excitation:**
10 V DC (15 V maximum)
- Nonlinearity:**
0.03% Full scale
- Hysteresis:**
0.02% Full scale
- Insulation Resistance:**
5000 megohms
- Cable Length:**
20 ft (6.1 m)
- Cable Diameter:**
0.200 polyurethane jacket
- Cable Color Code:**
Red.....+ Excitation
Black.....- Excitation
Green.....+ Signal
White.....- Signal
- Warranty:**
Two-year limited warranty
- Approvals:**
FM approved
NTEP approved
CE marked

Specifications JB4SS Junction Box

- Cable Fittings:**
PN 88956:
(4) PG7 0.118-0.255 strain relief
(2) PG11 0.197-0.394 strain relief
(1) PreVent™ breather vent
PN 107700:
(4) PG9 0.138-0.315 strain relief
(2) PG11 0.197-0.394 strain relief
(1) PreVent™ breather vent
- Enclosure:**
Stainless steel NEMA Type 4X
- Connectors:**
Spring clamp screwless, 12-28 AWG
- Trimming:**
Individual cell, signal trim, ranges zero trim 12.49
K-100 K ohms with 2.49 K ohms isolation resistors
- Potentiometers:**
100 K ohms, 25 turn cermet
- Circuit Board:**
3.8 x 2.3 in. (96.5 x 58.4 mm), with conformal coating
- Warranty:**
One-year limited warranty

Specifications Epson® TM-U295 Printer

- Print Speed:**
1.9 to 2.3 lines per second (5 x 7 character, 3 dot line spacing)
- Column Capacity:**
35/42 columns
- Characters Per Line:**
35 standard font
- Print Area:**
2.59 in W (65.8 mm W)
- Character Formation:**
5 x 7 and 7 x 7 dot matrix
- Character Height:**
0.11 standard font
- Print Head Life:**
Approximately 100 million strokes/pin
- Form Thickness:**
Single-ply - 0.003 in to 0.009 in
Copy paper - 0.003 in to 0.014 in
- Ribbon:**
Cassette-type purple ribbon. Ribbon life is approximately 1.5 million characters (continuous prints). Black ink also available.
- Approvals:**
UL listed, CSA certified, CE marked
- Warranty:**
One-year limited warranty (includes print head)

Part Number/Price

Part #	Model #	Description	Price
Complete System			
131098	–	15,000 lb x 5 lb/8,000 x 2 kg 3-point onboard system (Class III), qty one each OB5-SGL5, OB10-DBL5, 920i® Weigh Center	\$12,900.00
131099	–	20,000 lb x 5 lb/10,000 x 2 kg 4-point onboard system (Class III/IIIL), qty two OB10-DBL5, qty 1, 920i Weigh Center	\$15,700.00
131100	–	30,000 lb x 10 lb/15,000 x 5 kg 3-point onboard system (Class III), qty one each OB10-SGL10, OB20-DBL10, 920i Weigh Center	\$14,100.00
131101	–	40,000 lb x 10 lb/20,000 x 5 kg 4-point onboard system (Class III) qty two OB20-DBL10 qty 1, 920i Weigh Center	\$15,700.00
Consult	–	20,000 kg x 5 kg 3-point onboard system (Class III) qty one each, OB15-SGL105, OB30-DBL15, 920i Weigh Center	\$16,095.00
131103	–	60,000 lb x 10 lb/30,000 x 5 kg 4-point onboard system (Class III/IIILD) qty two, OB30-DBL15, qty 1, 920i Weigh Center	\$17,600.00
Consult	–	50,000 lb kit x 10 lb/30,000 x 5 kg 4-point onboard system (Class III/IIIL), qty two, OB30-DBL15, JB4SS, 30 ft homerun cable, 60 ft conduit, power cable (PN 127958 with PN 155300)	Consult
Consult	–	60,000 lb kit x 10 lb/30,000 x 5 kg 4-point onboard system (Class III/IIIL), qty two, OB30-DBL15, JB4SS, 30 ft homerun cable, 60 ft conduit, power cable (PN 127958 with PN 155300)	Consult
Weighing Module Assembly Kits (indicator package required)			
154125	–	20,000 lb x 5 lb/10,000 x 2 kg 4-point onboard system (Class III/IIIL), qty two, OB10-DBL5, JB4SS, 30 ft homerun cable, 60 ft conduit, power cable	\$10,900.00
154124	–	40,000 lb x 10 lb/20,000 x 5 kg 4-point onboard system (Class III/IIIL), qty two, OB20-DBL10, JB4SS, 30 ft homerun cable, 60 ft conduit, power cable	\$10,900.00
154122	–	60,000 lb x 10 lb/30,000 x 5 kg 4-point onboard system (Class III/IIIL), qty two, OB30-DBL15, JB4SS, 30 ft homerun cable, 60 ft conduit, power cable	\$12,900.00
Consult	–	50,000 lb kit x 10 lb/30,000 x 5 kg 4-point onboard system (Class III/IIIL), qty two, OB30-DBL15, JB4SS, 30 ft homerun cable, 60 ft conduit, power cable (PN 127958 with PN 155300)	Consult
Consult	–	60,000 lb kit x 10 lb/30,000 x 5 kg 4-point onboard system, qty two, OB30-DBL15, JB4SS, 30 ft homerun cable, 60 ft conduit, power cable (Class III/IIIL) (PN 127958 with PN 155300)	Consult
System Components			
131442	–	920i® Weigh Center package includes: indicator, Epson® Ticket Printer, 25 ft load cell cable, power cable, housing, vibration mounts for installation to customer supplied mounting bracket	\$4,800.00
154109	–	In-cab indicator 920i (requires 154112, 154111 and printer)	\$3,400.00
154112	–	In-cab LED alarm assembly, 8 ft cable	\$110.00
154111	–	Inclinometer, junction box assembly, 35 ft cable	\$650.00
65635	–	Epson TM-U295 printer	\$595.00
131811	–	Optional LED cab alarm, 35 ft	\$120.00
15494	EL146HE	Four conductor hostile environment load cell cable	\$1.65/ft
88956	JB4SS	JB4SS signal trim j-box with PG37 cord grips	\$250.00
128123	–	Conduit, 1/2 in non metallic liquid tight polytuf®	\$12.00/ft
127617	–	Retrofit kit 10,000 lb eyebolts for 1 cell	\$350.00
128670	OB5-SGL5	Low profile 5,000 lb single assembly	\$3,500.00
128666	OB10-DBL5	Low profile 10,000 lb double assembly	\$4,400.00
127956	OB10-SGL10	Low profile 10,000 lb single assembly	\$3,500.00
127958	OB20-DBL10	Low profile 20,000 lb double assembly	\$4,400.00
127959	OB30-DBL15	Low profile 30,000 lb double assembly	\$6,100.00
155300	–	Low profile 30,000 lb single tandem assembly	\$7,400.00
130107	Packaging	Double/double packaging	\$110.00

Note: Connect to your existing hydraulic pump with a maximum pressure of 3,000 PSI with a minimum flow of 5 GPM for best performance of lifting speed.
Note: Contact factory for other capacities not shown.