STANDARD FEATURES: SYSTEM

Legal For Trade Onboard System Includes

- 3 or 4 point on-board system RL2000B 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® On-board Weigh Center

Hydraulic pump not included

Minimum 3,000 PSI recommended to maintain 2200 PSI during lift

920i On-board Weigh Center:

- TMU 295 printer with splash shield
- Pre-installed 30 ft power cable
- Pre-installed 30 ft load cell cable
- Pre-installed Inclinometer
- Transport alarm LEDs
- Power switch
- Start/End switch
- Waterproof enclosure
- Vibration mounts

Mounting bracket to body not included

920i USB Universal with On-board Software:

- RS-232 port
- Standard on-board software
- USB interface board only

USB Interface Functions:

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

Flash Drives:

- Supports USB 2.0
- Create sub directories by unit ID and database name
- Use the root directory for generic files

Approvals:

- NTEP CC 99-091
- Measurement Canada AM-4847
## SPECIFICATIONS: 9201® USB INDICATOR

**Power:**
- Line voltages: 115 or 230VAC, 9-36VDC, +/-6, 25 Watt input
- Frequency: 50 or 60 Hz
- Power consumption: 340 mA, maximum @ 115VAC (26W) 240 mA @ 220VAC (20W)

**Excitation Voltage:**
- 10 ± VDC, 16 x 350.0 or 32 x 700.0 load cells per A/D card

**Analog Signal Input Range:**
- -10 mV to +45 mV

**Analog Signal Sensitivity:**
- 0.3 µV/graduation minimum @ 7.5 Hz
- 1.0 µV/graduation typical @ 120 Hz
- 4.0 µV/graduation typical @ 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 in 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

**Warranty:**
- Two-year limited warranty

**Indicator Approvals:**
- NTEP CC 01-088, Class III/IIIL 10,000d
- Measurement Canada AM-5428, Class III/III HD 10,000d
- OIML UK 2658, 6,000/10,000
- CE marked
- UL & C-UL listed (Universal, Deep and Wall Mount Enclosure)

## SPECIFICATIONS: 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 (0.08 to 0.23 mm)
- Copy paper - 0.003 in to 0.014 in (0.08 to 0.36 mm)

**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)

## SPECIFICATIONS: JB4SS JUNCTION BOX

**Cable Fittings:**
- P/N 88956:
  - (4) PG7 0.118-0.255 strain relief
  - (2) PG11 0.197-0.394 strain relief
  - (1) Prevent™ breather vent
- P/N 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 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 ohm, 25 turn cermet

**Circuit Board:**
- 3.8 in x 2.3 in (96.5 mm x 58.4 mm), with conformal coating

**Warranty:**
- One-year limited warranty

## SPECIFICATIONS: RL2000B S-BEAM LOAD CELL

**Full Scale Output:**
- 3.0 mV/V

**Output Resistance:**
- 350 ohms, +/- 3

**Input Resistance:**
- 385 ohms, +/- 5

**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:**
- 10V DC (15V maximum)

**Nonlinearity:**
- 0.03% Full scale

**Hysteresis:**
- 0.02% Full scale

**Insulation Resistance:**
- 5000 megohms

**Cable Color Code:**
- Red = + Excitation
- Black = - Excitation
- Green = + Signal
- White = - Signal

**Warranty:**
- Two-year limited warranty

**Approvals:**
- FM approved
- NTEP approved
- CE marked

## SPECIFICATIONS: rL2000b S-beam Load Cell

**Full Scale Output:**
- 3.0 mV/V

**Output Resistance:**
- 350 ohms, +/- 3

**Input Resistance:**
- 385 ohms, +/- 5

**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:**
- 10V DC (15V maximum)

**Nonlinearity:**
- 0.03% Full scale

**Hysteresis:**
- 0.02% Full scale

**Insulation Resistance:**
- 5000 megohms

**Cable Color Code:**
- Red = + Excitation
- Black = - Excitation
- Green = + Signal
- White = - Signal
### PART NUMBER/PRICE - COMPLETE SYSTEM

<table>
<thead>
<tr>
<th>PART #</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>131098</td>
<td>15,000 lb x 5 lb/8,000 x 2 kg 3-point on-board system (Class III), qty 1 each OB5-SGL5, OB10-DBL5, 920i® weigh center</td>
<td>Consult</td>
</tr>
<tr>
<td>131099</td>
<td>20,000 lb x 5 lb/10,000 x 2 kg 4-point on-board system (Class III/III), qty 2 OB10-DBL5, qty 1, 920i weigh center</td>
<td>Consult</td>
</tr>
<tr>
<td>131100</td>
<td>30,000 lb x 10 lb/15,000 x 5 kg 3-point on-board system (Class III), qty 1 each OB10-SGL10, OB20-DBL10, 920i weigh center</td>
<td>Consult</td>
</tr>
<tr>
<td>131101</td>
<td>40,000 lb x 10 lb/20,000 x 5 kg 4-point on-board system (Class III) qty 2 OB20-DBL10 qty 1, 920i weigh center</td>
<td>Consult</td>
</tr>
<tr>
<td>131102</td>
<td>20,000 x 5 kg 3-point on-board system (Class III) qty 1 each, OB15-SGL105, OB30-DBL15, 920i weigh center</td>
<td>Consult</td>
</tr>
<tr>
<td>131103</td>
<td>60,000 lb x 10 lb/30,000 x 5 kg 4-point on-board system (Class III/IIHD) qty 2, OB30-DBL15, qty 1, 920i weigh center</td>
<td>Consult</td>
</tr>
</tbody>
</table>

Other capacities available via specials request, reference NTEP and Canadian Weights & Measurements CC number

### PART NUMBER/PRICE - SYSTEM COMPONENTS

<table>
<thead>
<tr>
<th>PART #</th>
<th>MODEL #</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>131442</td>
<td>—</td>
<td>Electronics package includes: indicator, Epson® Ticket Printer, 25 ft load cell cable, power cable, housing, vibration mounts for installation to customer supplied mounting bracket</td>
<td>Consult</td>
</tr>
<tr>
<td>131811</td>
<td>—</td>
<td>Optional LED cab alarm, 35 ft</td>
<td>Consult</td>
</tr>
<tr>
<td>15494</td>
<td>EL146HE</td>
<td>4 conductor hostile environment load cell cable</td>
<td>Consult</td>
</tr>
<tr>
<td>88956</td>
<td>JB4SS</td>
<td>JB4SS signal trim j-box with PG37 cord grips</td>
<td>Consult</td>
</tr>
<tr>
<td>128123</td>
<td>—</td>
<td>Conduit, 1/2 in non metallic liquid tight polytuf</td>
<td>Consult</td>
</tr>
<tr>
<td>128670</td>
<td>OB5-SGL5</td>
<td>Low profile 5K single assembly</td>
<td>Consult</td>
</tr>
<tr>
<td>128666</td>
<td>OB10-DLB5</td>
<td>Low profile 10K double assembly</td>
<td>Consult</td>
</tr>
<tr>
<td>127956</td>
<td>OB10-SGL10</td>
<td>Low profile 10K single assembly</td>
<td>Consult</td>
</tr>
<tr>
<td>127958</td>
<td>OB20-DBL10</td>
<td>Low profile 20K double assembly</td>
<td>Consult</td>
</tr>
<tr>
<td>127957</td>
<td>OB15-SGL15</td>
<td>Low profile 15K single assembly</td>
<td>Consult</td>
</tr>
<tr>
<td>127959</td>
<td>OB30-DBL15</td>
<td>Low profile 30K double assembly</td>
<td>Consult</td>
</tr>
<tr>
<td>130107</td>
<td>Packaging</td>
<td>Double/Double packaging</td>
<td>Consult</td>
</tr>
</tbody>
</table>

Note: Hydraulic pump, 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: In cab weigh center available upon specials request

### 920i® WEIGH CENTER DIMENSIONS

[Front View](#)

![Front View](#)

[Side View](#)

![Side View](#)

[Bottom View](#)

![Bottom View](#)

[On-board weighing](#)

### TradeRoute HL Series

Legal for Trade On-board Weighing System

[Side View](#)

![Side View](#)
LOW PROFILE - SINGLE ASSEMBLY (SGL), 5k and 10k

LOW PROFILE - DOUBLE ASSEMBLY (DBL), 5K and 10K