

Setup Record

Customer _____
 Date _____
 Job Number _____
 Unit ID _____

- 10 **Display Menu**
 - 11 Disp Format _____
 - 12 Disp Countby _____
 - 13 Disp Units _____
 - 14 Bargraph Span _____
 - 15 Ext Inpt Mode _____
- 20 **Cal Menu**
 - 21 Auto Cal
 - Lo Span Cal _____
 - Hi Span Cal _____
 - Disp Val Correct _____
 - 22 Manual Cal
 - Scale Factor Wgt _____
 - Scale Factor Cts _____
 - Zero Counts _____
 - 23 Linearization
 - Linearize Set
 - 1In _____
 - 1Ot _____
 - 2In _____
 - 2Ot _____
 - 3In _____
 - 3Ot _____
 - 4In _____
 - 4Ot _____
 - 5In _____
 - 5Ot _____
 - Linearize Enable _____
 - 24 Zero Tolerance _____

- 30 **Setpoint Menu** (see table below)
- 40 **I-Output Menu**
 - 41 IOut Range _____
 - 42 IOut: 4/0mA _____
 - 43 IOut: 20mA _____
 - 44 IOut Track _____
 - 45 IOut Failsafe _____
 - 46 IOut Enable _____
 - 48 Current Adjst
 - 0mA Point _____
 - 4mA Point _____
 - 20mA Point _____
- 50 **Com Menu**
 - 51 Serial Address _____
 - 52 Serial Baud _____
 - 53 PLC Menu _____
- 60 **Sensor Menu**
 - 61 Sensor Adj Ex _____
 - 62 Resolution _____
 - 63 Sensor Gain _____
- 70 **Filter Menu**
 - 71 Averaging _____
 - 72 DSP Enable _____
 - 73 DSP Step _____
 - 74 DSP Qualify _____
 - 75 DSP Factor _____
- 80 **Tracking Menu**
 - 81 Rate Threshld _____
 - 82 Sample Intrvl _____
 - 83 Zero Trak Win _____
 - 84 Drift Limit _____
 - 85 Mat Trak Enab _____
- 90 **Service Menu**
 - 91 User Access _____
 - 92 Keyboard Lock _____

30 Setpoint Menu

	Value	Deadband	Hi/Lo	Track	Failsafe	Preact
31 Relay1						
32 Relay2						
33 DigOut1						
34 DigOut2						
35 DigOut3						
36 DigOut4						
37 DigOut5						
38 DigOut6						

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 P/N 97-1134-01 Rev. B

This Quick Reference Manual reflects SVS 2000 software revision 'C.'



SVS 2000™

Quick Reference Manual



Reference

KM 97-1129-01, SVS 2000
 Installation and Operation Manual

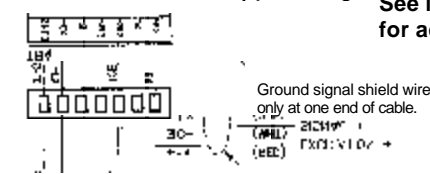
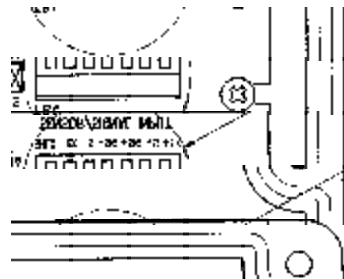
Mounting and Wiring

Mounting

CAUTION

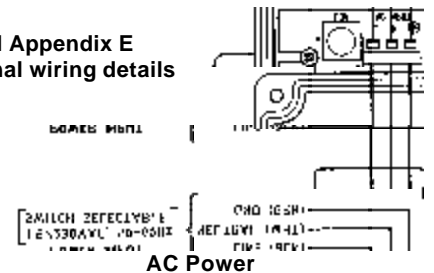
- Do not mount in direct sunlight.
- Use flex conduit between rigid conduit and SVS 2000 enclosure.
- Consider clearance needs for wiring and maintenance.
- Consider temperature at mounting location. See Manual Appendix A for specifications.

1. For Stainless Steel version, first remove electronics assembly.
2. Hold SVS 2000 in desired location and mark mounting hole positions.
3. Drill mounting holes.



Detail — KM Half-Bridge Sensors

See Manual Appendix E for additional wiring details



WARNING

- Wiring must comply with national/local wiring requirements.
- Ground conductor must connect to Protective Earth (PE) terminal.
- Power wiring must include switch/circuit breaker for disconnecting power. It must be close to SVS 2000, in easy reach of operator, and marked as disconnect for unit.

4. Mount SVS 2000 securely using customer-supplied hardware.
5. For Stainless Steel version, make entry holes in bottom of enclosure and re-install electronics assembly.

Wiring

Route AC power and setpoint cables separate from low-level signal cables.

1. Connect sensor wiring.
2. Connect relay output, digital output, analog output, serial output, and remote input wiring, as applicable.
3. Connect AC power.
4. Apply power and check display.
5. Seal openings in enclosure, using Sikaflex 1A or Dow Corning RTV 739 or 738 sealant.
6. Tighten set screws that secure wires to the terminal boards to 8 lbf/in. of torque.

Keyboard Functions

Func Key (Run Mode only)

Go to function 10 in menu tree.

Arrow Keys

- Run Mode: Scroll through Run Mode displays.
- Function Mode:
 - Scroll through menu selections at given level.
 - Scroll to parameter value.

Net Key

Go to net weight display in Run Mode.

Gross Key

Go to gross weight display in Run Mode.

Tare Key (Run Mode only)

Press for 1 second to tare vessel. SVS switches to net weight display.

Zero Key (Run Mode only)

- Gross display: Change calibration, setting gross weight to zero.
- Net display: Reset number of tares to zero.
- Total display: Reset total weight and number of totals to zero.

– (minus) Key (Run Mode only)

Press for 1 second to totalize vessel (add net weight to total weight). SVS switches to total weight display.

Enter Key

- Run Mode:
 - Gross display: Toggle between numerical and bar graph format.
 - Net display: Briefly display number of tares since tare reset.
 - Total display: Briefly display number of totals since totalizer reset.

- Function Mode:
 - Access submenus.
 - Save parameter value in memory.

Numeric Keys

- Run Mode: Enter function number for desired menu (press Enter Key after number is entered).
- Function Mode: Input parameter value.

Hot Keys (Run Mode operations)

Switch from Run to Function Mode

Press Func Key.

Switch from Run Mode to particular Function Mode Menu

Press 2-digit function number and Enter Key.

Switch from Function to Run Mode

Press Gross or Net Key.

Scroll through Run Mode Displays

(gross, net, total, and relay status) Press Up or Down Arrow Key.

Switch to Gross Weight

Press Gross Key.

Switch to Net Weight

Press Net Key.

Toggle between Gross Weight Numerical and Bar Graph Displays

Press Enter Key while on gross display.

Zero Gross Weight

Press Zero Key while on gross display. When SVS requests verification, press Enter Key. Press any other key to abort.

Tare (local)

Press Tare Key for 1 second, until SVS flashes *Tare Implemented* and switches to net display.

Display Number of Tares

Press Enter Key while on net display. SVS flashes number of tares.

Zero Number of Tares

Press Zero Key while on net display.

Totalize (local)

Press '-' Key for 1 second, until SVS flashes *Net Totalized* and switches to total display.

Display Number of Totals

Press Enter Key while on total display. SVS flashes number of totals.

Zero Total Weight and # of Totals

Press Zero Key while on total display. When SVS requests verification, press Enter Key. Press any other key to abort.

Display Serial Address

Press '1' Key and then '1' Key.

Display Software Revision

Press '1' Key and then '2' Key.

Display ID Label

Press '1' Key and then '3' Key.

Display Net Reference (±NR)

Press '1' Key and then '4' Key.

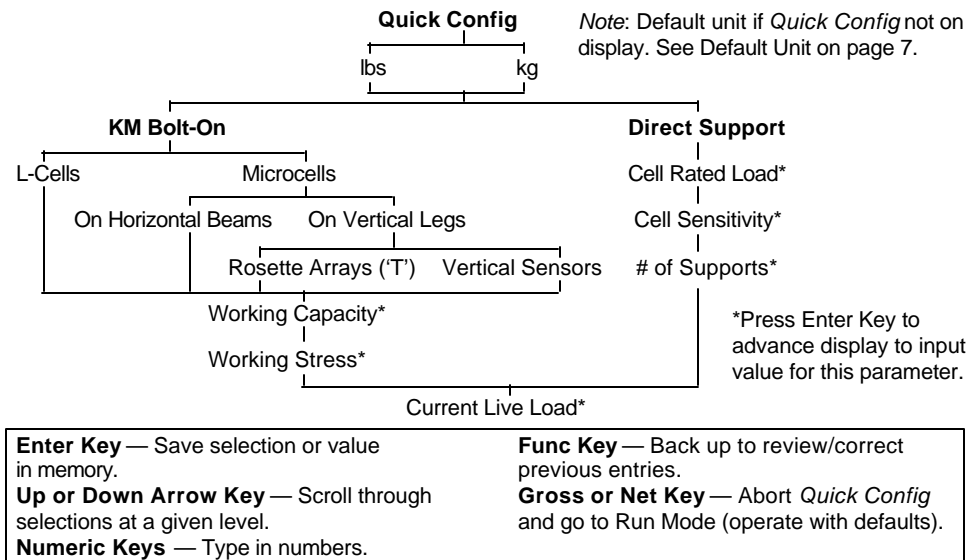


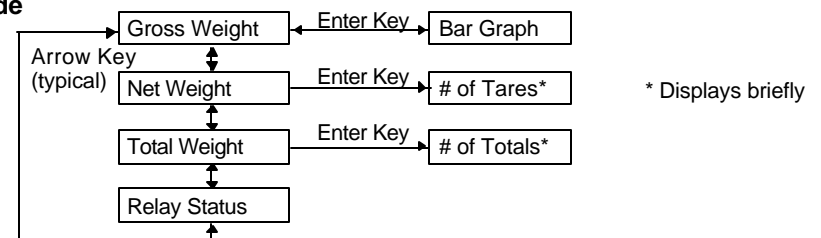
Figure 3. Quick Config Menu Tree and Keyboard Use

Run and Function Modes

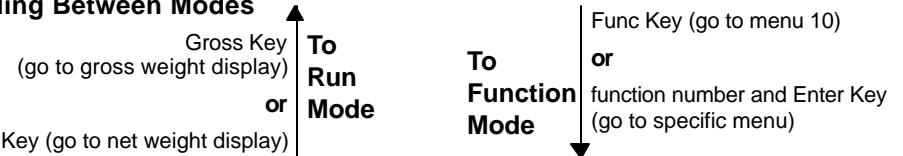
- *Run Mode* — Monitoring Display gross weight, net weight, total weight, and relay status.
- *Function Mode* — Menu Tree Access menu tree to allow user to view and modify setup parameters.

When Quick Config is complete, SVS 2000 automatically switches to Run Mode.

Run Mode



Toggle Between Modes



Function Mode (see next pages for complete menu tree and descriptions)

