## SEL-734

Advanced Metering System with ANSI and IEC Class 0.2 Accuracy

Standard with: ANSI Type 2 Optical Port, 2 Rear EIA-232 Ports, AC/DC SELERATOR QuickSet® SEL-5030 Software, Modbus® RTU Communications Protocol, and CD Instruction Manual

Part Number: 0734 A

### Power Quality and Recording

<table>
<thead>
<tr>
<th>Field Upgrade Available</th>
<th>Memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEL-734, Standard Power Quality, 32 MB Memory</td>
<td>0</td>
</tr>
<tr>
<td>SEL-734P, Advanced Power Quality, 128 MB Memory*</td>
<td>P</td>
</tr>
</tbody>
</table>

### Front Panel Labeling

<table>
<thead>
<tr>
<th>Panel Labeling</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI</td>
</tr>
<tr>
<td>IEC</td>
</tr>
</tbody>
</table>

### Meter Form

<table>
<thead>
<tr>
<th>Form</th>
<th>Metering Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Three-Wire Delta</td>
</tr>
<tr>
<td>9</td>
<td>Four-Wire Wye</td>
</tr>
</tbody>
</table>

### Chassis

<table>
<thead>
<tr>
<th>Panel Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Panel Mount</td>
</tr>
<tr>
<td>Vertical Panel Mount</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Outdoor Enclosure Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal Panel Mount in Outdoor Enclosure, Wired to Test Switch*</td>
</tr>
<tr>
<td>Vertical Panel Mount in Outdoor Enclosure, Wired to Test Switch*</td>
</tr>
</tbody>
</table>

### Power Supply

<table>
<thead>
<tr>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>125/250 Vdc or Vac</td>
</tr>
<tr>
<td>24/48 Vdc</td>
</tr>
<tr>
<td>12/24 Vdc</td>
</tr>
</tbody>
</table>

### Control Input Voltage

<table>
<thead>
<tr>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Vdc or Vac</td>
</tr>
<tr>
<td>48 Vdc or Vac</td>
</tr>
<tr>
<td>110 Vdc or Vac</td>
</tr>
<tr>
<td>125 Vdc or Vac</td>
</tr>
<tr>
<td>220 Vdc or Vac</td>
</tr>
<tr>
<td>250 Vdc or Vac</td>
</tr>
<tr>
<td>12 Vdc</td>
</tr>
</tbody>
</table>

### Metering Voltage

<table>
<thead>
<tr>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>57–120 Vin</td>
</tr>
<tr>
<td>115–240 Vin</td>
</tr>
</tbody>
</table>
### Current Class

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL 10</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>CL 20 [IEC 5 (20)A]</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>CL 2 [IEC 1 (6)A]</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

### Conformal Coat

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>1</td>
</tr>
<tr>
<td>Conformally Coated Circuit Boards*</td>
<td>2</td>
</tr>
</tbody>
</table>

### System Frequency

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Hz</td>
<td>Factory Upgrade Available</td>
<td>5</td>
</tr>
<tr>
<td>60 Hz</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

### Communication Options

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two EIA-232 Ports</td>
<td>D</td>
</tr>
<tr>
<td>Two EIA-232 Ports and One 10/100BASE-T Ethernet Port*</td>
<td>E</td>
</tr>
<tr>
<td>One EIA-232 Port and One EIA-485 Port*</td>
<td>F</td>
</tr>
<tr>
<td>One EIA-232 Port, One EIA-485 Port, and One 10/100BASE-T Ethernet Port*</td>
<td>G</td>
</tr>
<tr>
<td>Two EIA-232 Ports and One 100BASE-FX Fiber-Optic Ethernet Port*</td>
<td>H</td>
</tr>
<tr>
<td>One EIA-232 Port, One EIA-485 Port, and One 100BASE-FX Fiber-Optic Ethernet Port*</td>
<td>J</td>
</tr>
</tbody>
</table>

### Expansion Slot 1

(Expansion Slot 1 communication ports can only be used one at a time)

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty</td>
<td>X X</td>
</tr>
<tr>
<td>Additional EIA-232 and EIA-485 Port*</td>
<td>2 X</td>
</tr>
<tr>
<td>Telephone Modern plus Additional EIA-232 and EIA-485 Port*</td>
<td>5 X</td>
</tr>
</tbody>
</table>

### Expansion Slot 2

(SEL recommends using solid-state outputs for KYZ operation to prevent mechanical wear and contact chatter)

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty</td>
<td>X X</td>
</tr>
<tr>
<td>4 Electromechanical Outputs, 4 Inputs*</td>
<td>6</td>
</tr>
<tr>
<td>4 Solid-State Outputs, 4 Inputs*</td>
<td>7</td>
</tr>
<tr>
<td>4 ±1 mA Analog Outputs, 4 Solid-State Outputs*</td>
<td>8 X</td>
</tr>
<tr>
<td>4 ±20 mA Analog Outputs, 4 Solid-State Outputs*</td>
<td>9 X</td>
</tr>
</tbody>
</table>

### Control Input Voltage for Expansion Slot 2

<table>
<thead>
<tr>
<th>Option</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empty</td>
<td>X</td>
</tr>
<tr>
<td>24 Vdc or Vac</td>
<td>A</td>
</tr>
<tr>
<td>48 Vdc or Vac</td>
<td>B</td>
</tr>
<tr>
<td>110 Vdc or Vac</td>
<td>C</td>
</tr>
<tr>
<td>125 Vdc or Vac</td>
<td>D</td>
</tr>
<tr>
<td>220 Vdc or Vac</td>
<td>E</td>
</tr>
<tr>
<td>Accessory Name</td>
<td>Part Number</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------</td>
</tr>
<tr>
<td>SEL-9321 Low-Voltage DC Power Supply*</td>
<td>915900014</td>
</tr>
<tr>
<td>SEL-2401 Satellite-Synchronized Clock*</td>
<td>915900048</td>
</tr>
<tr>
<td>SEL-2924 Portable BLUETOOTH® Serial Adapter*</td>
<td>915900263</td>
</tr>
<tr>
<td>SEL-2925 BLUETOOTH® Serial Adapter*</td>
<td>91590035</td>
</tr>
<tr>
<td>Rear-Panel Connector Kit*</td>
<td>915900170</td>
</tr>
</tbody>
</table>
### Socket Adapters

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Socket Adapter Form 5*</td>
<td>915900256</td>
</tr>
<tr>
<td>Socket Adapter Form 9*</td>
<td>915900257</td>
</tr>
<tr>
<td>Form 5 EXM Test-Socket Adapter*</td>
<td>915900258</td>
</tr>
<tr>
<td>Form 9 EXM Test-Socket Adapter*</td>
<td>915900259</td>
</tr>
</tbody>
</table>

### Rack Mount Brackets

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Horizontal Meter Bracket*</td>
<td>915900007</td>
</tr>
<tr>
<td>Two Horizontal Meter Bracket*</td>
<td>915900008</td>
</tr>
<tr>
<td>Horizontal Meter and FT-1 Test Switch Bracket*</td>
<td>915900009</td>
</tr>
<tr>
<td>Meter and Two FT-1 Test Switch Bracket*</td>
<td>915900035</td>
</tr>
<tr>
<td>Single Vertical Meter Bracket*</td>
<td>915900050</td>
</tr>
<tr>
<td>Two Vertical Meter Bracket*</td>
<td>915900051</td>
</tr>
<tr>
<td>Three Vertical Meter Bracket*</td>
<td>915900243</td>
</tr>
<tr>
<td>Vertical Meter and two FT-1 Test Switch Bracket*</td>
<td>915900158</td>
</tr>
<tr>
<td>Rack Mount Kit, 7xx/24xx Vertical and 7xx/24xx Horizontal Retrofit*</td>
<td>915900141</td>
</tr>
<tr>
<td>Rack Mount Kit, 7xx/24xx Vertical*</td>
<td>915900169</td>
</tr>
<tr>
<td>19&quot; Rack Mount Bezel for 7xx/24xx Vertical (centered)*</td>
<td>915900228</td>
</tr>
<tr>
<td>Vertical Meter and FT-1 Test Switch Bracket*</td>
<td>915900052</td>
</tr>
</tbody>
</table>

### Wall Mount Brackets

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low-Profile Hinged Wall-Mount Bracket*</td>
<td>915900255</td>
</tr>
<tr>
<td>Low-Profile, Hinged, Contains CT/PT Wiring and 1 Serial Cable*</td>
<td>915900317</td>
</tr>
<tr>
<td>Low-Profile, Hinged, Contains CT/PT Wiring and 2 Serial Cables*</td>
<td>915900318</td>
</tr>
<tr>
<td>Low-Profile, Hinged, Contains CT/PT Wiring and 3 Serial Cables*</td>
<td>915900319</td>
</tr>
<tr>
<td>Vertical Hinged Wall-Mount Bracket*</td>
<td>915900136</td>
</tr>
<tr>
<td>Horizontal Surface Mount Kit*</td>
<td>915900116</td>
</tr>
<tr>
<td>Bezel Type</td>
<td>Code</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>7xx Wall-Mount Bracket*</td>
<td>915900047</td>
</tr>
<tr>
<td>7xx Hinged Wall-Mount Bracket*</td>
<td>915900063</td>
</tr>
<tr>
<td><strong>Retrofit Bezels</strong></td>
<td></td>
</tr>
<tr>
<td>Vertical Retrofit (Schlumberger Q1000 SB) Bezel*</td>
<td>915900075</td>
</tr>
<tr>
<td>Horizontal Meter and FT-1 Test Switch (Short SB) Retrofit Bezel*</td>
<td>915900005</td>
</tr>
<tr>
<td>Single Horizontal Meter (Short SB) Retrofit Bezel*</td>
<td>915900006</td>
</tr>
<tr>
<td>Horizontal Meter and FT-1 Test Switch (Tall SB) Retrofit Bezel*</td>
<td>915900023</td>
</tr>
<tr>
<td>Single Horizontal Meter (Tall SB) Retrofit Bezel*</td>
<td>915900024</td>
</tr>
<tr>
<td>Single Vertical Meter Retrofit Bezel*</td>
<td>915900053</td>
</tr>
<tr>
<td>Vertical Appearance Bezel *</td>
<td>915900058</td>
</tr>
<tr>
<td>Vertical Retrofit (JEM 1 SB) Bezel*</td>
<td>915900069</td>
</tr>
<tr>
<td>Vertical Retrofit (JEM 1 Panel Mount) Bezel*</td>
<td>915900070</td>
</tr>
<tr>
<td>Vertical Retrofit (GE kV) Bezel*</td>
<td>915900071</td>
</tr>
<tr>
<td>Vertical Retrofit (JEMStar SB/TransData MK-5 SB) Bezel*</td>
<td>915900072</td>
</tr>
<tr>
<td>Vertical Retrofit (Nexus 1260/1270 SB) Bezel*</td>
<td>915900073</td>
</tr>
<tr>
<td>Vertical Retrofit (PML ION 8000 SB) Bezel*</td>
<td>915900074</td>
</tr>
<tr>
<td>Vertical Retrofit (Siemens Q4 Tall SB) Bezel*</td>
<td>915900076</td>
</tr>
<tr>
<td>Vertical Retrofit (Siemens Q4 Short SB) Bezel*</td>
<td>915900077</td>
</tr>
<tr>
<td>Vertical Retrofit (GE 169/269/369 and Eaton FP5000)*</td>
<td>915900054</td>
</tr>
<tr>
<td>Vertical Retrofit (GE 469)*</td>
<td>915900055</td>
</tr>
<tr>
<td>Vertical Retrofit (Cutler-Hammer MP-3000)*</td>
<td>915900057</td>
</tr>
<tr>
<td>ABB FT-21/22 (CO FT-2) to 7xx/24xx Vertical Retrofit*</td>
<td>915900078</td>
</tr>
<tr>
<td>GE F650 to 7xx/24xx Vertical Retrofit*</td>
<td>915900079</td>
</tr>
<tr>
<td>Model</td>
<td>Code</td>
</tr>
<tr>
<td>----------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>GE 700 Series to 7xx/24xx Vertical Retrofit*</td>
<td>915900080</td>
</tr>
<tr>
<td>Basler 851/951 to 7xx/24xx Vertical Retrofit*</td>
<td>915900081</td>
</tr>
<tr>
<td>ABB 500 Series to 7xx/24xx Vertical Retrofit*</td>
<td>915900082</td>
</tr>
<tr>
<td>Siemens 7SJ61 (1/3 rack case) to 7xx/24xx Vertical Retrofit*</td>
<td>915900083</td>
</tr>
<tr>
<td>ABB 500 Series (1/2 rack case) to 7xx/24xx Vertical Retrofit*</td>
<td>915900086</td>
</tr>
<tr>
<td>GE ML 269 Plus With Drawout Case Option to 7xx/24xx Vertical Retrofit*</td>
<td>915900099</td>
</tr>
<tr>
<td>ABB-FT 31/32 (CO FT-3) to 7xx/24xx Vertical Retrofit with 2 FT-1 Switch Cutouts*</td>
<td>915900130</td>
</tr>
<tr>
<td>GE MDP/S2 to 7xx/24xx Vertical Retrofit*</td>
<td>915900132</td>
</tr>
<tr>
<td>GE M1 to 7xx/24xx Vertical Retrofit*</td>
<td>915900133</td>
</tr>
<tr>
<td>GE M2 to 7xx/24xx Vertical Retrofit*</td>
<td>915900134</td>
</tr>
<tr>
<td>GE 565 to 7xx/24xx Vertical Retrofit*</td>
<td>915900145</td>
</tr>
<tr>
<td>ABB-FT 41/42 (CO FT-4) to 7xx/24xx Vertical Retrofit with 2 FT-1 Switch Cutouts*</td>
<td>915900156</td>
</tr>
<tr>
<td>ABB DPU to 7xx/24xx Vertical Retrofit*</td>
<td>915900157</td>
</tr>
<tr>
<td>GE S1 (IAC S1) to 2 FT-1 Switch Cutouts*</td>
<td>915900159</td>
</tr>
<tr>
<td>GE 269/369 to 7xx/24xx Vertical Retrofit with FT-1 Switch Cutout*</td>
<td>915900165</td>
</tr>
<tr>
<td>EXM Retrofit Bezel, JEMStar SB/TransData Mk-5 SB*</td>
<td>915900196</td>
</tr>
<tr>
<td>PML 37xx to 7xx Horizontal Retrofit*</td>
<td>915900198</td>
</tr>
<tr>
<td>GE DGP to 7xx Vertical Retrofit*</td>
<td>915900355</td>
</tr>
<tr>
<td>701/Simpro Retrofit Bezel*</td>
<td>915900197</td>
</tr>
<tr>
<td>Category</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Vertical Retrofit</td>
<td>(Siemens Q4 Tall SB with FT-1 Test Switch Cutout)*</td>
</tr>
<tr>
<td>Vertical Retrofit</td>
<td>(Square-D Power Logic 2000)*</td>
</tr>
<tr>
<td>Indoor Enclosure Brackets</td>
<td></td>
</tr>
<tr>
<td>7xx Indoor Enclosure Mounting</td>
<td>7xx Indoor Enclosure Mounting Bracket + FT-1 Test Switch, Horizontal*</td>
</tr>
<tr>
<td>7xx Indoor Enclosure Mounting</td>
<td>7xx Indoor Enclosure Mounting Bracket, No FT-1 Cutout, Horizontal*</td>
</tr>
<tr>
<td>7xx Indoor Enclosure Mounting</td>
<td>7xx Indoor Enclosure Mounting Bracket + FT-1 Cutout Test Switch, Vertical*</td>
</tr>
<tr>
<td>7xx Indoor Enclosure Mounting</td>
<td>7xx Indoor Enclosure Mounting Bracket, No FT-1 Cutout, Vertical*</td>
</tr>
<tr>
<td>Outdoor Enclosure Kits</td>
<td></td>
</tr>
<tr>
<td>7xx Outdoor Enclosure Kit</td>
<td>7xx Outdoor Enclosure Kit, Horizontal*</td>
</tr>
<tr>
<td>7xx Outdoor Enclosure Kit</td>
<td>7xx Outdoor Enclosure, No FT-1 Cutout, Horizontal*</td>
</tr>
<tr>
<td>7xx Outdoor Enclosure Kit</td>
<td>7xx Outdoor Enclosure Kit, Vertical*</td>
</tr>
<tr>
<td>7xx Outdoor Enclosure Kit</td>
<td>7xx Outdoor Enclosure, No FT-1 Cutout, Vertical*</td>
</tr>
<tr>
<td>Mounting Accessories</td>
<td></td>
</tr>
<tr>
<td>Mounting Brackets</td>
<td>Mounting Brackets for 16&quot; x 18&quot; x 8&quot; Enclosure*</td>
</tr>
<tr>
<td>Mounting Gasket</td>
<td>Mounting Gasket*</td>
</tr>
<tr>
<td>Current Transformers Clamp-On</td>
<td></td>
</tr>
<tr>
<td>Three 200:1 Clamp-On CTS</td>
<td>Three 200:1 Clamp-On CTS, 0.6&quot; Window, +1% Accuracy*</td>
</tr>
<tr>
<td>Three 1000:5 Clamp-On CTS</td>
<td>Three 1000:5 Clamp-On CTS, 2.0&quot; Window, +1% Accuracy*</td>
</tr>
<tr>
<td>Current Transformers Split-Core</td>
<td></td>
</tr>
<tr>
<td>Three 200:1 Split-Core CTS</td>
<td>Three 200:1 Split-Core CTS, 4.5&quot; Window, +3% Accuracy*</td>
</tr>
<tr>
<td>Description</td>
<td>Code</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Three 2000:5 Split-Core CTs, 6.0&quot; Window, ±3% Accuracy*</td>
<td>915900212</td>
</tr>
<tr>
<td>Three 3000:5 Split-Core CTs, 8.0&quot; Window, ±3% Accuracy*</td>
<td>915900213</td>
</tr>
<tr>
<td>Projection Mounting Collar, 45mm*</td>
<td>915900028</td>
</tr>
<tr>
<td>Projection Mounting Collar, 90mm*</td>
<td>915900029</td>
</tr>
<tr>
<td>Blank Cover Plates</td>
<td></td>
</tr>
<tr>
<td>ABB-FT 21/22 (CO FT-2) Blank Cover Plate*</td>
<td>915900084</td>
</tr>
<tr>
<td>GE S1 (IAC S1) Blank Cover Plate*</td>
<td>915900085</td>
</tr>
<tr>
<td>GE M1 Blank Cover Plate*</td>
<td>915900142</td>
</tr>
<tr>
<td>ABB-FT 31/32 (CO FT-3) Blank Cover Plate*</td>
<td>915900143</td>
</tr>
<tr>
<td>ABB-FT 11 (CO FT-1) Blank Cover Plate*</td>
<td>915900144</td>
</tr>
<tr>
<td>GE MDP/S2 Blank Cover Plate*</td>
<td>915900230</td>
</tr>
<tr>
<td>241X / 7XX Blanker Plate*</td>
<td>915900387</td>
</tr>
<tr>
<td>Literature</td>
<td></td>
</tr>
<tr>
<td>Printed Instruction Manual* [1]</td>
<td>PM734-01</td>
</tr>
</tbody>
</table>

* Additional Cost


**Optional Nameplate Information**

- **SEL Assigned Nameplate**
- **Customer Assigned Nameplate**

A - Customer Text: [ ] (30 Characters Max)

B - Barcode Information: [ ] (17 Characters Max)

Valid Chars: ABCDEFGHJKLMNOPQRSTUVWXYZ0123456789-$:/.+