The series SL-FS Weigh Cells cover a weighing range up to 1,000 g. They have been specifically designed as a compact sensor component and are especially suited for installation in multiline applications or anywhere that small sizes are in demand. Due to the GMP-compliant design, the Weigh Cells are also suited for use in the pharmaceutical industry.

As a ready-for-connection installation component, the Weigh Cell already supplies final weight values via a CAN interface as standard. The integrated software filters can be configured in many ways and thus allow optimal adaptation of the weighing system to the relevant local conditions. The Weigh Cells extensive command set enables easy control engineering integration. Supplemented with a large number of options, the Weigh Cells can also meet very specific requirements.

You need an individual solution? Please contact us.

/ TO BE USED IN
- Filling machines for vials, syringes, coffee pods, etc.
- Packaging machines

/ FEATURES
- Weighing range up to 1,000 g, covered by 2 models
- Additive dead load range up to 350 g
- Slim construction
- Multilane applications starting from 30 mm centerline distance
- Binary I/O channels with customer-specific functions
- Interface 1: CAN , RS 422
- Interface 2: RS 232 for service and configuration
- Sampling rate 1 ms
- Wash Down mode
- Self Check (internal test weight)
### Options

- **Option 10**: RS 422 instead of CAN interface
- **Option 11**: Bus operation
- **Option 12**: Higher display resolution
- **Option 13**: Binary I/O channels (4-fold)
- **Option 14**: Filling algorithm
- **Option 25**: Dead load compensation
- **Option 29**: Wash Down mode IP65 (with aluminum version only in conjunction with customers provided housing/stainless steel cover)
- **Option 44**: Self Check (internal test weight)

With the optional CFI (CAN-Fieldbus-Interface) it is possible to connect to a variety of industrial fieldbus systems.

**Please see specifications on our website.**

---

<table>
<thead>
<tr>
<th>Weigh Cell Type</th>
<th>SL 250/150-FS</th>
<th>SL 1000/350-FS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weighing range</td>
<td>250 g</td>
<td>1,000 g</td>
</tr>
<tr>
<td>Electrically adjustable dead load range</td>
<td>50 - 150 g</td>
<td>50 - 350 g</td>
</tr>
<tr>
<td>Display value (d)</td>
<td>0.002 g</td>
<td>0.01 g</td>
</tr>
<tr>
<td>Display value (d) with higher resolution (Option)</td>
<td>0.001 g</td>
<td>0.005 g</td>
</tr>
<tr>
<td>Linearity ±</td>
<td>± 0.002 g</td>
<td>± 0.01 g</td>
</tr>
<tr>
<td>Repeatability (S) ≤</td>
<td>0.001 g</td>
<td>0.005 g</td>
</tr>
<tr>
<td>Maximum diameter of weighing platform</td>
<td>40 mm</td>
<td>80 mm</td>
</tr>
<tr>
<td>Settling time ± (on 1‰ of final weighing range value)</td>
<td>&lt; 150 ms</td>
<td></td>
</tr>
<tr>
<td>Protection class of the Weigh Cell</td>
<td>IP44</td>
<td></td>
</tr>
<tr>
<td>Temperature range</td>
<td>+5 °C to +30 °C</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>24 V DC, ± 5%, 0.5 A</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 1,800 g</td>
<td></td>
</tr>
<tr>
<td>Interface 1</td>
<td>CAN, RS 422</td>
<td></td>
</tr>
<tr>
<td>Interface 2</td>
<td>RS 232, 115200/8/1/odd</td>
<td></td>
</tr>
<tr>
<td>Housing material</td>
<td>Aluminum hard coated with stainless steel side cover AISI 304</td>
<td></td>
</tr>
</tbody>
</table>

---

1| Depends on the preference settings and on setup and ambient conditions of the system |
2| Weighing time = settling time plus (adjustable) measuring time |
3| Temperature range: +10 °C to +30 °C |

---

**WEIGH CELL TYPE**

- **SL-FS** - Weighing range 0-1,000 g

---

**WIPOTEC WEIGHING TECHNOLOGY** - WIPOTEC-WT.COM
Selective versions

1. Load output
2. Housing options
3. Electrical connection
4. Cable versions

All measurements in mm
Subject to technical modifications