SL-E
WEIGHING RANGE 0 - 70 g

The SL-E Weigh Cell covers the weighing range up to 70 g. It has been specifically designed as a compact sensor component and is especially suited for installation in multilane applications with centreline distance of 29 mm or more.

The SL-E Weigh Cell is ideal for integration into production machines for tea and coffee capsules. It can be raised in time with the machine cycle to ensure that the capsule is discharged as necessary from the transport plate for weighing. System-induced active self-damping guarantees the shortest possible measuring times while maintaining the highest resolution.

All the necessary functional elements are integrated in a compact housing. No other external components are necessary. The Weigh Cell is connected using customary standard cables.

You need an individual solution?
Please contact us.

/ TO BE USED IN
- Tea and coffee capsule machines
- Multilane weighing systems
- In-Process-Control applications
- Special machine manufacturing
- Filling and packaging machines

/ FEATURES
- Weighing range up to 70 g
- Minimum dead load 25 g
- Very slim construction in aluminum housing with integrated electronics
- Multilane applications starting from 29 mm centerline distance
- Interface 1: CAN
- Interface 2: RS 232 for service and configuration
- Sampling rate: 1 ms
### WEIGH CELL TYPE

<table>
<thead>
<tr>
<th>SL 70/25-E</th>
<th></th>
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<tbody>
<tr>
<td><strong>Weighing range</strong></td>
<td>70 g</td>
</tr>
<tr>
<td><strong>Electrically adjustable dead load range</strong></td>
<td>25 g</td>
</tr>
<tr>
<td><strong>Display value (d)</strong></td>
<td>0.001 g</td>
</tr>
<tr>
<td><strong>Linearity ≤</strong></td>
<td>± 0.002 g</td>
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<tr>
<td><strong>Repeatability (S) ≤</strong></td>
<td>0.001 g</td>
</tr>
<tr>
<td><strong>Maximum dimensions of weighing platform</strong></td>
<td>24 x 24 mm</td>
</tr>
<tr>
<td><strong>Settling time</strong> (on 1‰ of final weighing range value)</td>
<td>&lt; 120 ms</td>
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<tr>
<td><strong>Protection class of the Weigh Cell</strong></td>
<td>IP40</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>+10 °C to +30 °C</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>24 V DC, ± 5%, 0.5 A</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>approx. 600 g</td>
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<tr>
<td><strong>Interface 1</strong></td>
<td>CAN</td>
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<tr>
<td><strong>Interface 2</strong></td>
<td>RS 232, 115200/8/1/odd</td>
</tr>
<tr>
<td><strong>Housing material</strong></td>
<td>Aluminum hard coated with side cover in stainless steel AISI 304</td>
</tr>
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</table>

1. From top edge of the factory-set load bolt. With 60 g load on the factory-set load bolt, the system is in a balanced state and most resistant to floor vibrations. In this case, the weighing range is reduced to 35 g.
2. Depends on the preference settings and on setup and ambient conditions of the system.
3. The absolute repeatability is +/- 3 s.
4. IP44 possible with load plate with double labyrinth seal.

### OPTIONS

- **Option 11:** Bus operation
- **Option 13:** Binary I/O channels (1 input/2 outputs)
- **Option 34:** Interface connection at the bottom

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.
① Interface 1
② Interface 2
③ Access address settings, CAN bus terminator

All measurements in mm
Subject to technical modifications
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