LVK series
Electrical and visual oil level indicator
**LVK Technical data**

**Electrical Oil Level Indicators**

LVK is a range of electrical and visual fluid level indicators for monitoring of the fluid level into the tank. They are directly fitted on the tank side. The float moves through the indicator housing while the fluid level changes.

**Available features:**
- Several male threaded connections
- Three different sizes, to meet every size of tank
- Thermometer, thermostat or PT100, to check the temperature of the fluid

**Common applications:**
- Hydraulic systems
- Mobile machines
- Industrial equipment

**Electrical symbol:**
see page. 118

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**Materials**
- Head: Polyamide
- Screws: Nickel plated brass (standard), AISI 314 (optional)
- Seal: NBR (standard), FPM (optional)
- Float: Polyamide
- Sensor thermometer: Screw + thermometer

**Temperature**
From -20 °C to + 80 °C

**Weight**
LVK 10 0.140 kg
LVK 20 0.170 kg
LVK 30 0.250 kg

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### Designation & Ordering code

<table>
<thead>
<tr>
<th>Series</th>
<th>Configuration example:</th>
<th>LVK</th>
<th>20</th>
<th>A</th>
<th>M12</th>
<th>1</th>
<th>T</th>
<th>5</th>
<th>P01</th>
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<tbody>
<tr>
<td><strong>LVK</strong></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td></td>
<td>10</td>
<td>20</td>
<td>30</td>
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<tr>
<td><strong>Seals</strong></td>
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<td>A</td>
<td>NBR</td>
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<tr>
<td><strong>Connections</strong></td>
<td></td>
<td>M10</td>
<td>Screws M10</td>
<td>M12</td>
<td>Screws M12</td>
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<tr>
<td><strong>Electrical switch in absence of fluid</strong></td>
<td></td>
<td>1</td>
<td>N.O. (Normally Open)</td>
<td>2</td>
<td>N.C. (Normally Closed)</td>
<td>3</td>
<td>SPDT (single-pole, double throw)</td>
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<tr>
<td><strong>Connection</strong></td>
<td></td>
<td>M10</td>
<td></td>
<td>M12</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Version</strong></td>
<td></td>
<td>S</td>
<td>Standard</td>
<td>T</td>
<td>With thermostat</td>
<td>P</td>
<td>With PT100 sensor</td>
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<td></td>
</tr>
<tr>
<td><strong>Thermostat setting</strong></td>
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<td>S</td>
<td>Standard (no setting)</td>
<td>T</td>
<td></td>
<td>P</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>S</strong></td>
<td></td>
<td>1</td>
<td>50°C N.O. (Normally Open)</td>
<td>2</td>
<td>60°C N.O. (Normally Open)</td>
<td>3</td>
<td>70°C N.O. (Normally Open)</td>
<td>5</td>
<td>50°C N.C. (Normally Closed)</td>
</tr>
</tbody>
</table>

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- Screws: Nickel plated brass (standard), AISI 314 (optional)
- Seal: NBR (standard), FPM (optional)
- Float: Polyamide
- Sensor thermometer: Screw + thermometer

**Temperature**
From -20 °C to + 80 °C

**Weight**
LVK 10 0.140 kg
LVK 20 0.170 kg
LVK 30 0.250 kg
LVK
Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>H (mm)</th>
<th>I (mm)</th>
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<tbody>
<tr>
<td>10</td>
<td>108</td>
<td>76</td>
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<td>20</td>
<td>159</td>
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<td>30</td>
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Connections

<table>
<thead>
<tr>
<th>D (mm)</th>
<th>ØR (mm)</th>
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</thead>
<tbody>
<tr>
<td>M10</td>
<td>10.5</td>
</tr>
<tr>
<td>M12</td>
<td>12.5</td>
</tr>
</tbody>
</table>

Without thermostat

With thermostat

O-Ring seal

Float

Holes on the tank

Electrical Oil Level Indicator

Holes on the tank

Ø12.5