EL 6
Conductive multiple cable electrode

Area of application
The multiple cable electrode EL 6 is a universal level switch for conductive liquids. The instrument is ideal as overfill and dry run protection or as pump control in conjunction with VEGATOR 256C and VEGATOR 632 signal conditioning instruments.

Advantages
- Economical pump control through multiple cable probe
- High flexibility in use through shortenable cable probe
- Reduced stockkeeping through exchangeable cable probes

Function
The instruments are used for level detection in conductive liquids. A VEGATOR 256 C or 632 is required for operation of the conductive probe. When the probe is immersed, a slight alternating current flows and is detected, evaluated and converted into a switching command by the signal conditioning instrument. The switching point is determined via the mounting position or the length of the respective probe.

Technical data
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Probe length</td>
<td>up to 50 m (164.04 ft)</td>
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<tr>
<td>Conductance of the medium</td>
<td>min. 7.5 μS/cm</td>
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<tr>
<td>Process fitting</td>
<td>Thread G1½</td>
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<tr>
<td>Process pressure</td>
<td>-1 … +6 bar/ -100 … +600 kPa</td>
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<tr>
<td></td>
<td>(-14.5 … +87 psig)</td>
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<tr>
<td>Process temperature</td>
<td>-20 … +100 °C (-4 … +212 °F)</td>
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<tr>
<td>Ambient, storage and transport temperature</td>
<td>-40 … +80 °C (-40 … +176 °F)</td>
</tr>
<tr>
<td>Voltage supply</td>
<td>Via the connected signal conditioning instrument</td>
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</tbody>
</table>

Materials
The wetted parts of the instrument are made of PP. The cables and the gravity weights of the probe are made of stainless steel. You can find a complete overview of the available materials and seals in the “configurator” on our homepage under www.vega.com/configurator.

Housing versions
The housing is made of plastic (PP). It is available with protection rating up to IP 66/IP 67.

Electronics versions
The probe is operated with external processing. The connected signal conditioning instrument powers the probe and provides a switching signal.

Operation
You can find the setup procedure for EL 6 in the operating instructions manual of the corresponding signal conditioning instrument.

Electrical connection
1 Rubber cap
2 Grounding eye

You can find details on the electrical connection in the instrument operating instructions on our homepage at www.vega.com/downloads.
**Dimensions**

Conductive probe EL 6

L1-3: Probe length

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**Information**

You can find further information about the VEGA product line on our homepage [www.vega.com](http://www.vega.com).

In the download section under [www.vega.com/downloads](http://www.vega.com/downloads) you'll find free operating instructions, product information, brochures, approval documents, instrument drawings and much, much more.

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**Instrument selection**

With the "finder" you can select the most suitable measuring principle for your application: [www.vega.com/finder](http://www.vega.com/finder).

You can find detailed information on the instrument versions in the "configurator" on our homepage under [www.vega.com/configurator](http://www.vega.com/configurator).

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**Contact**

You can find the VEGA agency serving your area on our homepage [www.vega.com](http://www.vega.com).