

## EL 8

### Conductive rod electrode



#### Application area

The rod electrode EL 8 is a universal level switch for conductive liquids. The instrument is ideal as overflow and dry run protection in conjunction with VEGATOR 256C and VEGATOR 632 signal conditioning instruments.

#### Your benefit

- Price-favourable level detection
- Simple installation in tight spaces thanks to small sensor dimensions

#### Function

The instruments are used for level detection in conductive liquids. A VEGATOR 131, 132, 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

Sensor length	up to 3 m (9.84 ft)
Conductance of the medium	min. 7.5 $\mu$ S/cm
Process fitting	Thread G $\frac{1}{2}$
Process pressure	-1 ... +6 bar/-100 ... +600 kPa (-14.5 ... +87 psig)
Process temperature	-10 ... +60 °C (+14 ... +140 °F)
Ambient, storage and transport temperature	-40 ... +80 °C (-40 ... +176 °F)
Voltage supply	Via the connected signal conditioning instrument

#### Materials

The wetted parts of the instrument are made of steel. The probe insulation is made of PE.

You will find a complete overview of the available materials and seals in the "configurator" on our homepage at [www.vega.com/configurator](http://www.vega.com/configurator).

#### Housing versions

The housing is made of plastic (EPDM).

It is available with protection rating up to IP 50.

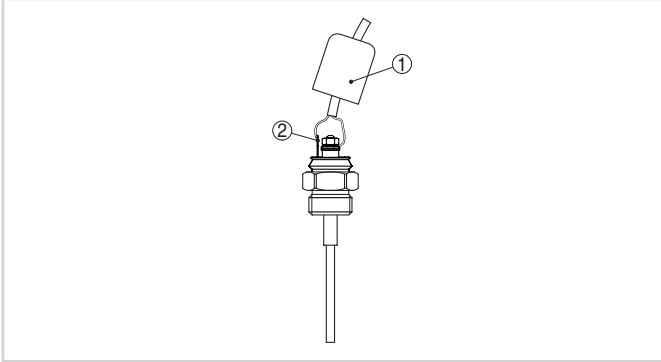
#### Electronics versions

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

## Adjustment

You can find the setup procedure for EL 8 in the operating instructions manual of the corresponding signal conditioning instrument.

## Electrical connection

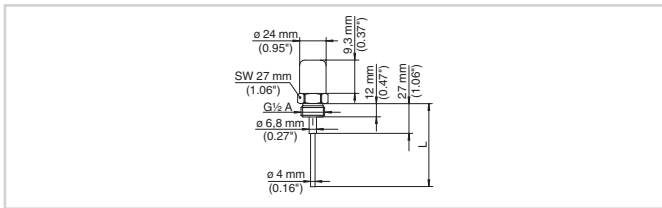


Electrical connection

- 1 Rubber cap
- 2 Grounding eye

You can find details on electrical connection in the instrument operating instructions on our homepage at [www.vega.com/downloads](http://www.vega.com/downloads).

## Dimensions



Conductive probe EL 8

- L Probe length

## Information

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

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

## Instrument selection

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

You can find detailed information on the instrument versions in the "Configurator" at [www.vega.com](http://www.vega.com) and "VEGA Tools".

## Contact

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