

Produktname VEGACAP 63
 Artikelnummer CP63.CXEGAZKMX
 eID DE81289205
 Menge 1

Kapazitive Stabmesssonde zur Grenzstanderfassung

Anwendungsbereich

Der VEGACAP 63 ist ein universell einsetzbarer Grenzstandsensord zur Messung in nicht abrasiven Flüssigkeiten und Schüttgütern. Die Stabmesssonde ist vollisoliert und der bewährte mechanische Aufbau bietet eine hohe Funktionssicherheit.

Ihr Nutzen

- Lange Lebensdauer und geringer Wartungsbedarf durch robusten mechanischen Aufbau
- Kosteneinsparung durch einfache Montage und Inbetriebnahme
- Einfache Projektierung durch variablen Schaltpunkt

Preisliste: Standard-27/05/2019-DE-€

Measuring unit for lengths		Metre/Millimetre
Approval directive / Scope		ATEX / Europe
Approval	CX	ATEX II 1G, 1/2G, 2G Ex ia IIC T6
Version / Process temperature	E	PE Insulation / -40...+80°C
Process fitting / Material	GA	Thread G $\frac{3}{4}$ PN64, DIN3852-A / 316L
Electronics	Z	Two-wire for connection to VEGATOR 14x
Housing / Protection	K	Plastic single chamber / IP66/IP67
Cable entry / Cable gland / Plug connection	M	M20x1.5 / with / without
Switching status display PLICS		without
Length (from seal surface)		350 mm
Additional equipment	X	Without
Device settings		no
Operating instructions		DE - German
Number of operating instructions		1
Measurement loop identification label		Without
Additional cleaning procedure		without
Certificate / Standard		without
Dye penetration test		without
Pressure test		without
Insulation resistance test		without
Low temperature test at -60 °C		without
Durability test more than 360 h		without
Suitable for tropical regions		without
SIL qualification		without
Foodstuff/Pharmaceutical certificate		without
Customs tariff number (HS code)		90261029

VEGACAP 63

Relay (DPDT)

Capacitive rod electrode for level detection



Application area

The VEGACAP 63 point level sensor can be used universally for measurement in non-abrasive liquids and bulk solids. The rod electrode is fully insulated and the proven mechanical construction ensures high functional safety.

Your benefit

- Long lifetime and low maintenance requirement through robust mechanical construction
- Savings through simple mounting and setup
- Maximum utilisation of vessel, because measurement over entire probe length

Function

Sensor and vessel form the two electrodes of a capacitor. A capacitance change caused by a level change is evaluated by the integrated electronics and converted into a switching signal. The capacitive measuring principle has no special requirements in respect to installation and mounting.

Technical data

Sensor length	up to 6 m (19.69 ft)
Process fitting	Thread from G½, ½ NPT, flanges from DN 50, 2"
Process pressure	-1 ... +64 bar/-100 ... +6400 kPa (-14.5 ... +928 psig)
Process temperature	-50 ... +200 °C (-58 ... +392 °F)
Ambient, storage and transport temperature	-40 ... +80 °C (-40 ... +176 °F)
Operating voltage	20 ... 253 V AC, 50/60 Hz; 20 ... 72 V DC
Power consumption	1 ... 8 VA (AC), approximately 1.5 W (DC)
Switching voltage	min. 10 mV, max. 253 V AC, 253 V DC
Switching current	min. 10 µA, max. 3 A AC, 1 A DC
Breaking capacity	min. 50 mW, max. 750 VA AC, 54 W DC
Switching delay	0.7 s (on/off)

Materials

The wetted parts of the instrument are fully PTFE or PE insulated. You will find a complete overview of the available materials and seals in the "configurator" on our homepage at www.vega.com/configurator.

Housing versions

The housings are available in plastic, stainless steel or Aluminium. They are available with protection ratings up to IP 67.

Electronics versions

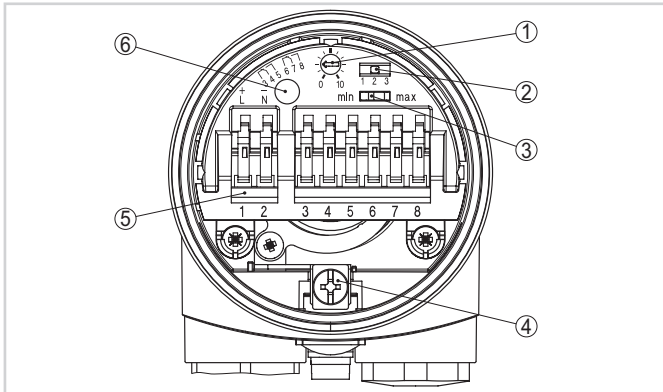
The instruments are available in different electronics versions. Apart from the versions with transistor output, contactless electronic switch and relay output, a two-wire version for connection to a signal conditioning instrument is available.

Approvals

The instruments are suitable for use in hazardous areas and are approved e.g. according to ATEX and IEC. The instruments also have various ship approvals such as e.g. GL, LRS or ABS. You can find detailed information at www.vega.com/downloads and "Approvals".

Operation

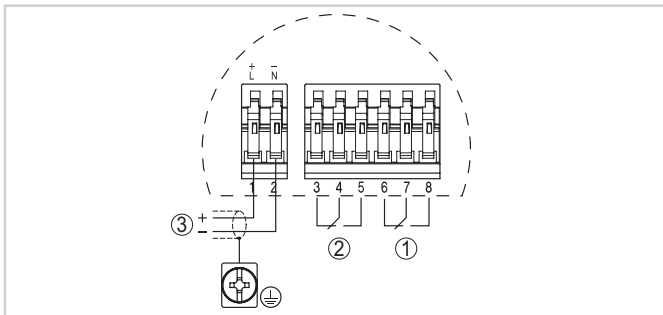
The mode and switching point of the level switch can be adjusted on the electronics module. A signal lamp shows the switching status of the instrument.



Oscillator with relay output

- 1 Potentiometer for switching point adaptation
- 2 DIL switch for measuring range selection (with compensation button)
- 3 DIL switch for mode adjustment
- 4 Ground terminal
- 5 Connection terminals
- 6 Control lamp

Electrical connection

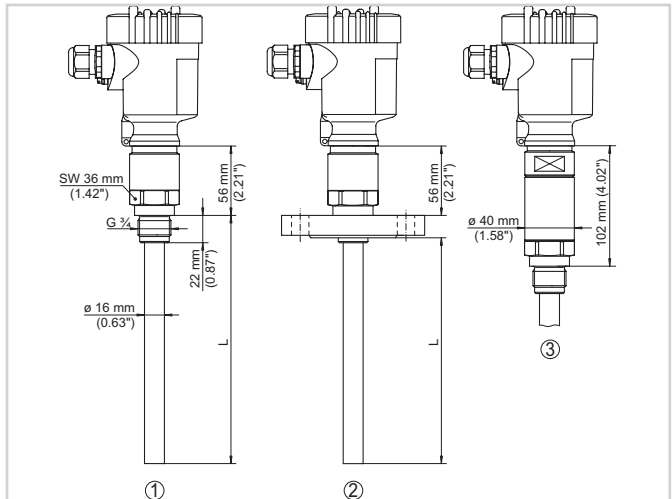


Wiring plan

- 1 Relay output
- 2 Relay output
- 3 Voltage supply

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

Dimensions



- 1 Threaded version
- 2 Flange version
- 3 Threaded version with temperature adapter

Information

You can find further information on the VEGA product line on our homepage www.vega.com.

In the download section under www.vega.com/downloads 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/finder 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/configurator and "VEGA Tools".

Contact

You can find the VEGA agency serving your area on our homepage www.vega.com.