

CAPACITIVE LEVEL LIMIT

# MODELS

## CPS 01

Limit switch made of plastic for liquids and bulk goods.



### TECHNICAL SPECIFICATIONS

Max. Pressure	0,3 Mpa
Ambient temperature	-25°C to +70°C
Operating temperature	-40°C to +170°C
Medium temperature	-30°C to a max. of +100°C
Housing material	PP, PVDF
Fastening screw thread	BSP 1/2", other designs on request

### CHARACTERISTICS

- Quick and easy setting via programming by keystroke
- PNP transistor output
- Make contact or break contact
- Functional LED display
- Thread BSP G½"
- Electrical connection: Cable or plug M8
- Housing made of PP or PVDF
- Outstanding price-performance ratio
- Small and compact

### OPERATING PRINCIPLE

Immersing the CPS 01 into the medium will cause a change in capacitance in the electrical capacitor. The change in capacitance is detected by the electronics and the switching operation is initiated. Adjustment to the corresponding medium is carried out with the help of a programming key (programming via keystroke).

### AREAS OF APPLICATION

Designed for level limit detection of liquids and powdery or fine-grained bulk goods.

## CPS 04

Level limit switch CPS 04 of stainless steel



### TECHNICAL SPECIFICATIONS

Max. Pressure	1,6 Mpa	Sensing probe	stainless steel 1.4571,
Ambient temperature	-30°C up to +70°C		Ø 4mm exchangeable,
Medium temperature	-30°C up to +100°C		can be shortened
Material housing	stainless steel / PVDF	min. Sensor length L: from sealing face	30 mm
Fastening screw thread	BSP 1/2", other designs on request	Max. Sensor length L: from sealing face	1,5 m; > 1,5 m on request

### CHARACTERISTICS

- Variable detection of the level limits- by exchanging the sensing probe or by shortening the sensing probe
- Easy and quick adjustment by pressing the respective keys (teach in) or fixed setting by programming in the factory
- PNP transistor output
- Functional LED display
- Cable or plug M8
- 1 switch point: make contact or break contact
- Thread BSP½"
- Material: stainless steel / PVDF

### OPERATING PRINCIPLE

Immersing the CPS 04 into the medium will cause a change in capacitance in the electrical capacitor. The change in capacitance is detected by the electronics and the switching operation is initiated. By exchanging or shortening the sensing probe, the level can be established at various heights. Adjustment to the corresponding medium is effected by pushing respective keys (Teach in).

### AREAS OF APPLICATION

Process and manufacturing technology, environmental technology, water and waste water engineering, Plant engineering, mechanical engineering