

# And the winner is ...



# Pressure, temperature, level – Fluid sensors with an identical “look and feel”

Innovation in technology & design.

WIKA presents an innovative product family of electronic switches, which measure and control the measurement parameters pressure, temperature and level. Designed with the specific requirements of the machine-building industry in mind, this product family offers more than comparable products regarding several key features. Overall they are the superior instruments in their class. Their performance in terms of design, readability, setup, installation and durability is excellent.

This product family has the right instrument for anyone demanding the most from an electronic switch and at the same time expecting an excellent price-performance ratio. Try the high performance of the PSD-30 pressure switch, the TSD-30 temperature switch or the LSD-30 level switch for yourself.

Afterwards, you too will certainly have the view:  
And the winner is ...



## Design

**Award-winning in design and functionality.**



product  
design  
award

2009 ■

The PSD-30 has already been acknowledged by the experts: It has been honoured with the iF product design award 2009.



## Readability

**Large, robust, easily-readable 14-segment LED display.**

Before 7-segments

GET nEw tEChnOLOgy

Now 14-segments

GET NEW TECHNOLOGY

We have used proven and robust LED technology. The readability of the parameters has been significantly improved by the 9 mm high, 14-segment display.



## Setup

**Simple and intuitive 3-key operation without assistance.**



The 3-key operation ensures simple, intuitive menu navigation, with no need for additional assistance. The menu navigation is designed in accordance with the latest VDMA standard.



## Installation

Easy and flexible mounting configurations.

## Durability

Proven and tested WIKA quality.



The instruments can be adapted flexibly to the required mounting situation as a result of the independently rotatable display and M12 connection. Furthermore, the display can be turned electronically by 180° for overhead installation.

With their WIKA sensor technology, proven and established over many years, these instruments offer high reliability and accuracy, even in harsh industrial environments.

# A family of electronic switches for pressure, temperature and level

## Applications

- Machine building
- Machine tools
- Hydraulics/Pneumatics
- Cooling and lubrication systems
- Pumps and compressors

## Special features

- Easily-readable, robust display
- Intuitive and fast setup
- Easy and flexible mounting configurations



### Pressure switch PSD-30, PSD-31

#### Specifications

**Measuring range:**  
1 ... 600 bar relative  
0 ... 25 bar absolute  
-1 ... +24 bar vacuum

**Switching output:**  
1 or 2  
PNP or NPN

**Analogue output (optional):**  
4 ... 20 mA or 0 ... 10 V

**Accuracy:**  
≤ 1 %

**Electrical connection:**  
M12 x 1,  
4- or 5-pin

**Process connection:**  
G 1/2, G 1/4, 1/4 NPT, R 1/4, PT 1/4,  
G 1/2 B flush diaphragm



[www.wika.de/psd-30](http://www.wika.de/psd-30)

### Temperature switch TSD-30

#### Specifications

**Measuring range:**  
-20 ... +80 °C (optional up to 120 °C)

**Switching output:**  
1 or 2  
PNP or NPN

**Analogue output (optional):**  
4 ... 20 mA or 0 ... 10 V

**Accuracy:**  
≤ 1 %

**Electrical connection:**  
M12 x 1,  
4- or 5-pin

**Process connection:**  
G 1/4 A, G 1/2 A, 1/4 NPT, 1/2 NPT

**Probe length:**  
25, 50, 100, 150, 250, 350 mm

[www.wika.de/tsd-30](http://www.wika.de/tsd-30)

### Level switch LSD-30

#### Specifications

**Measuring range:**  
Probe length 250, 370, 410, 520, 730 mm

**Specific gravity range:**  
≥ 0,7 g/cm<sup>3</sup> (NBR float)

**Switching output:**  
1 or 2  
PNP or NPN

**Analogue output (optional):**  
4 ... 20 mA or 0 ... 10 V

**Resolution:**  
≤ 6 mm

**Electrical connection:**  
M12 x 1,  
4- or 5-pin

**Process connection:**  
G 3/4 A, 3/4 NPT

[www.wika.de/lsd-30](http://www.wika.de/lsd-30)

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