

# LFV230-XXHCLCPV0280 LFV200

**LEVEL SENSORS** 





## Ordering information

Туре	part no.
LFV230-XXHCLCPV0280	6087047

Other models and accessories → www.sick.com/LFV200





## Detailed technical data

#### **Features**

Medium	Fluids
Measurement	Switch
Probe type	Tuning fork
Probe length	280 mm
Process pressure	-1 bar 64 bar
Process temperature	-40 °C +150 °C
Fill material density	0.7 g/cm <sup>3</sup> 2.5 g/cm <sup>3</sup>

#### Performance

Accuracy of sensor element	± 2 mm
Reproducibility	≤ 1 mm
Viscosity	0.1 mPas 10,000 mPas
Resolution	≤ 1 mm
Response time	500 ms
MTBF	1,25*10^7 h

#### Electronics

Communication interface	-
Supply voltage	20 V AC/DC 253 V AC/DC
Power consumption	≤ 4.2 mA
Initialization time	<3s
Connection type	Valve plug DIN 43650
Output signal	Non-contact switch
Hysteresis	2 mm
Inductive load	≤1H
Capacitive load	100 nF
Enclosure rating	IP65
Temperature drift	0.03 mm/K

### Mechanics

Wetted parts	Stainless steel 1.4404 / 316L
Surface roughness	Ra ≤ 0,8 µm
Process connection	Triclamp 1" (PN 16, 316L, Ra<0.8μm)

## Ambient data

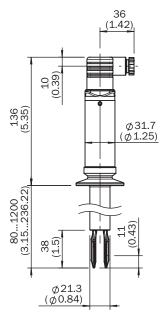
Ambient operating temperature	-40 °C +70 °C
Ambient temperature, storage	-40 °C +80 °C

## Certificates

## Classifications

ECLASS 5.0	27273202
ECLASS 5.1.4	27273202
ECLASS 6.0	27273202
ECLASS 6.2	27273202
ECLASS 7.0	27273202
ECLASS 8.0	27273202
ECLASS 8.1	27273202
ECLASS 9.0	27273202
ECLASS 10.0	27273202
ECLASS 11.0	27273202
ECLASS 12.0	27273106
ETIM 5.0	EC002654
ETIM 6.0	EC002654
ETIM 7.0	EC002654
ETIM 8.0	EC002654
UNSPSC 16.0901	41111938

## Dimensional drawing



Dimensions in mm (inch)

### Recommended accessories

Other models and accessories → www.sick.com/LFV200

	Brief description	Туре	part no.
Mounting systems			
60	Description: Welded flange/welded connector, process connection G 1     Material: Stainless steel     Details: Stainless steel 1.4404	BEF-FL- GEWG10-LFV2	4054605
	<ul> <li>Description: Welded flange/welded connector, G 3/4 process connection</li> <li>Material: Stainless steel</li> <li>Details: Stainless steel 1.4404</li> </ul>	BEF-FL- GEWG34-LFV2	4054604
	Description: Welded flange/welded connector, process connection Tri-Clamp 1"     Material: Stainless steel     Details: Stainless steel 1.4404	BEF-FL-TCLI10-LFV2	5321678
	<ul> <li>Description: Welded flange/welded connector, process connection Tri-Clamp 2"</li> <li>Material: Stainless steel</li> <li>Details: Stainless steel 1.4404</li> </ul>	BEF-FL-TCLI20-LFV2	5321679
	<ul> <li>Description: Welded flange/welded connector, DIN11851-1, DN25 / PN40</li> <li>Material: Stainless steel</li> <li>Details: Stainless steel 1.4404</li> </ul>	BEF-FL-851D25-LFV2	5321527
	<ul> <li>Description: Welded flange/welded connector DIN11851-1, DN40 / PN40</li> <li>Material: Stainless steel</li> <li>Details: Stainless steel 1.4404</li> </ul>	BEF-FL-851D40-LFV2	5321459
	<ul> <li>Description: Welded flange/welded connector DIN11851-1, DN50 / PN25</li> <li>Material: Stainless steel</li> <li>Details: Stainless steel 1.4404</li> </ul>	BEF-FL-851D50-LFV2	5321528

# SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

# **WORLDWIDE PRESENCE:**

Contacts and other locations -www.sick.com

