



LFT1100-01A1A10

LFT

LEVEL SENSORS

SICK
Sensor Intelligence.



Illustration may differ

Ordering information

| Type | part no. |
|-----------------|----------|
| LFT1100-01A1A10 | 1043602 |

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

Detailed technical data

Features

| | |
|----------------------------|--------------------|
| Medium | Fluids |
| Measurement | Switch, Continuous |
| Probe length | 1,100 mm |
| Process pressure | $\geq \leq 1$ bar |
| Process temperature | 0 °C ... +80 °C |

Performance

| | |
|-----------------------------------|-------------|
| Accuracy of sensor element | ± 3 mm |
| Reproducibility | ≤ 2 mm |
| Resolution | ≤ 1 mm |
| Response time | 200 ms |
| Dielectricity constant | 1.8 |

Electronics

| | |
|----------------------------|---|
| Supply voltage | 18 V DC ... 30 V DC |
| Residual ripple | ≤ 5 V _{pp} |
| Power consumption | ≤ 90 mA at 24 V DC without output load |
| Initialization time | ≤ 4 s |
| Protection class | III |
| Connection type | Round connector M12 x 1, 5-pin |
| Output signal | 1 x PNP + 4 mA ... 20 mA |
| Output load | < 500 Ω |
| Hysteresis | 3 mm |
| Inductive load | ≤ 1 H |
| Capacitive load | < 100 nF |
| Enclosure rating | IP67 |
| Temperature drift | ± 0.05 mm/K |
| Lower signal level | 3.8 ... 4 |
| Upper signal level | 20 ... 20.5 |

Mechanics

| | |
|---------------------------|---------------------------------------|
| Wetted parts | Stainless steel 316L / 301, PBT, PTFE |
| Process connection | G 3/4 A |
| Inactive area | Each 10 mm |
| Housing material | PBT |

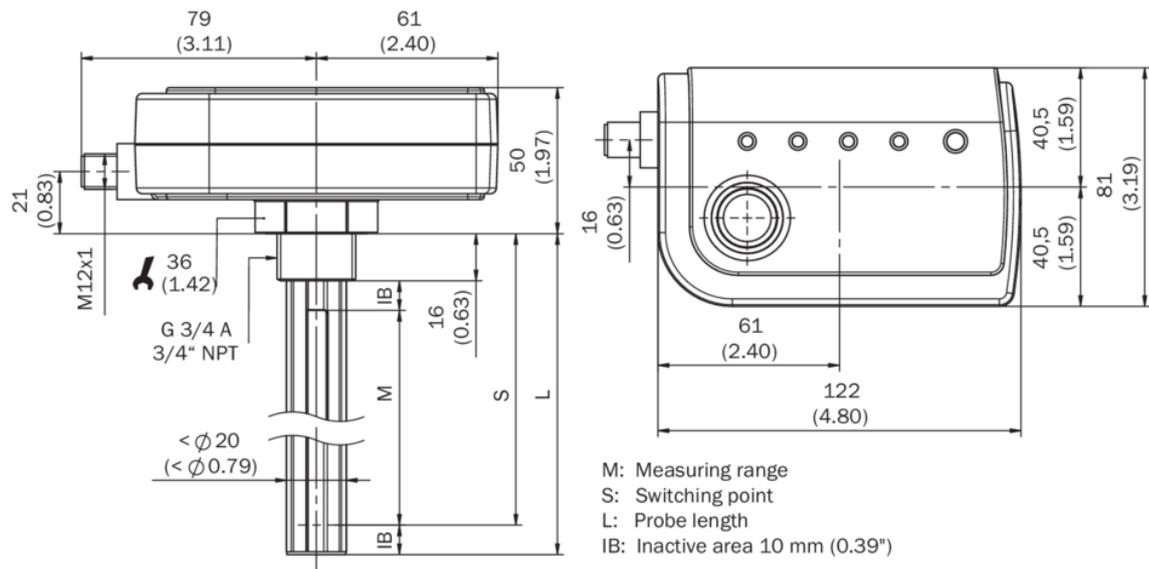
Ambient data

| | |
|--------------------------------------|-------------------|
| Ambient operating temperature | -10 °C ... +60 °C |
| Ambient temperature, storage | -40 °C ... +80 °C |

Classifications

| | |
|-----------------------|----------|
| ECLASS 5.0 | 27200513 |
| ECLASS 5.1.4 | 27200513 |
| ECLASS 6.0 | 27200513 |
| ECLASS 6.2 | 27200513 |
| ECLASS 7.0 | 27200513 |
| ECLASS 8.0 | 27200513 |
| ECLASS 8.1 | 27200513 |
| ECLASS 9.0 | 27200513 |
| ECLASS 10.0 | 27200513 |
| ECLASS 11.0 | 27200513 |
| ECLASS 12.0 | 27200513 |
| ETIM 5.0 | EC001447 |
| ETIM 6.0 | EC001447 |
| ETIM 7.0 | EC001447 |
| ETIM 8.0 | EC001447 |
| UNSPSC 16.0901 | 41113710 |

Dimensional drawing



Dimensions in mm (inch)

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