Product data sheet



System VISIC50SF

VISIC50SF

SMOKE DETECTORS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
System VISIC50SF	On request

Our regional sales organization will help you to select the optimum device configuration.

Other models and accessories ➜ www.sick.com/VISIC50SF

Detailed technical data

Technical specifications

Measured values	Visibility (K-value)
Measurement principles	Scattered light forward
Measuring ranges	
Visibility (K-value)	0 ... 150 km^{-1}
Temperature measurement (option)	–30 ... +70 °C
Response time (t_{90})	≤ 5 s
Resolution	
Visibility (K-value)	1 km^{-1}
Repeatability	1 %: of measuring range full scale
Ambient temperature	–20 °C ... +55 °C
Storage temperature	
Measuring device:	–30 °C ... +85 °C
Ambient pressure	860 hPa ... 1,080 hPa
Ambient humidity	10 % ... 100 % Relative humidity; non-condensing
Conformities	ASTRA "Guideline - Fire Detection in Road Tunnels" (2007) RABT 2006
Electrical safety	CE
Test functions	Contamination monitoring of glass pane Drift and plausibility check Automatic self-test Functional monitoring of the optional heating
Options	Internal heating Connection unit TAD control unit Temperature sensor

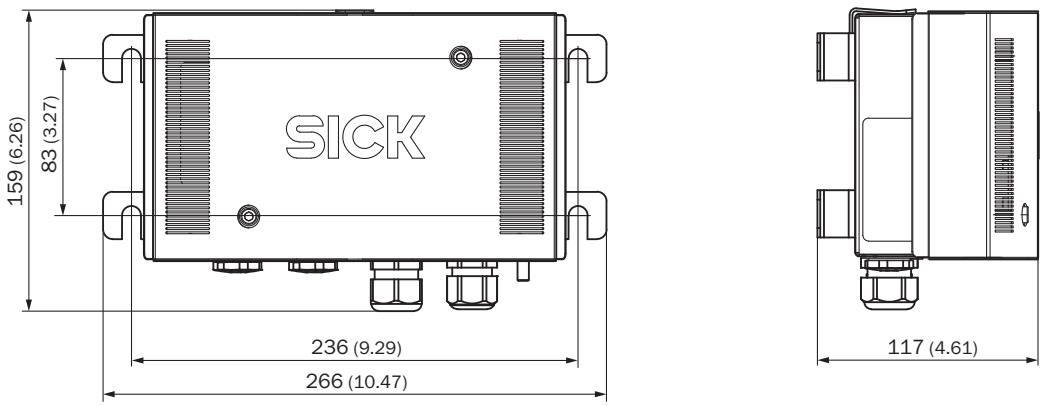
Classifications

ECLASS 5.0	27150305

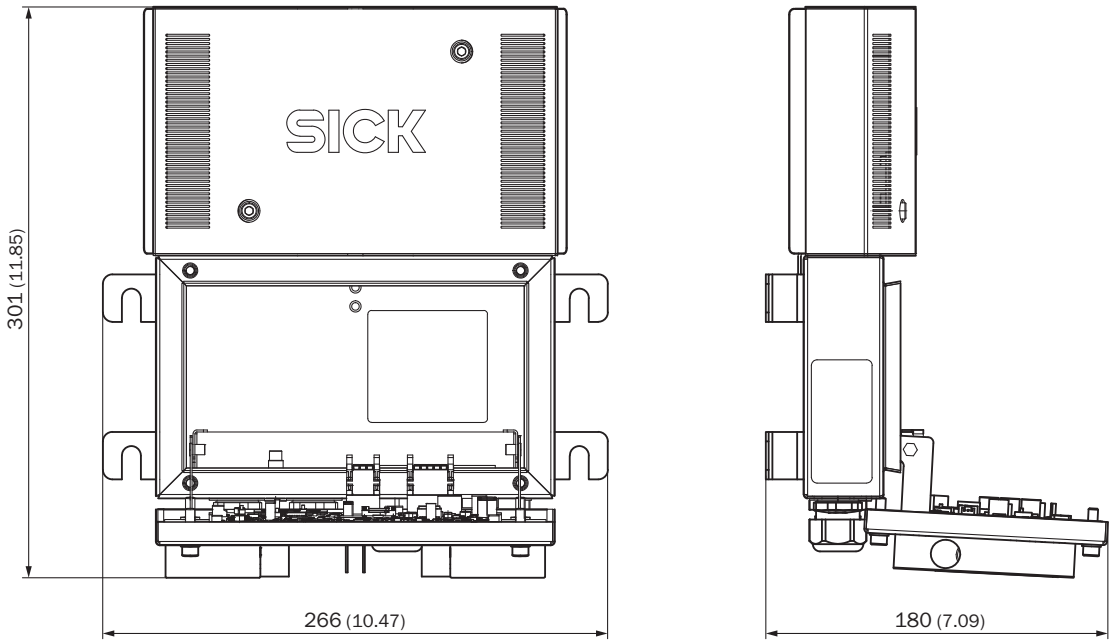
ECLASS 5.1.4	27150305
ECLASS 6.0	27150305
ECLASS 6.2	27150305
ECLASS 7.0	27150305
ECLASS 8.0	27150305
ECLASS 8.1	27150305
ECLASS 9.0	27150305
ECLASS 10.0	27150305
ECLASS 11.0	27150305
ETIM 5.0	EC001190
ETIM 6.0	EC001190
ETIM 7.0	EC001190
ETIM 8.0	EC001190
UNSPSC 16.0901	41115406

Dimensional drawing (Dimensions in mm (inch))

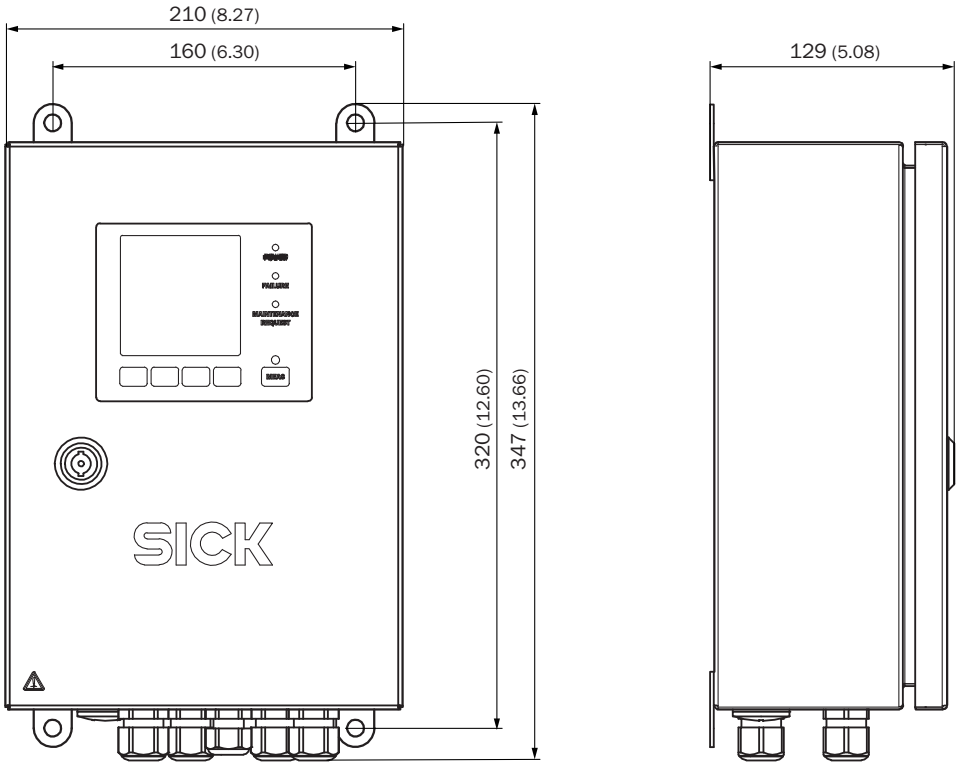
VISIC50SF sensor unit closed



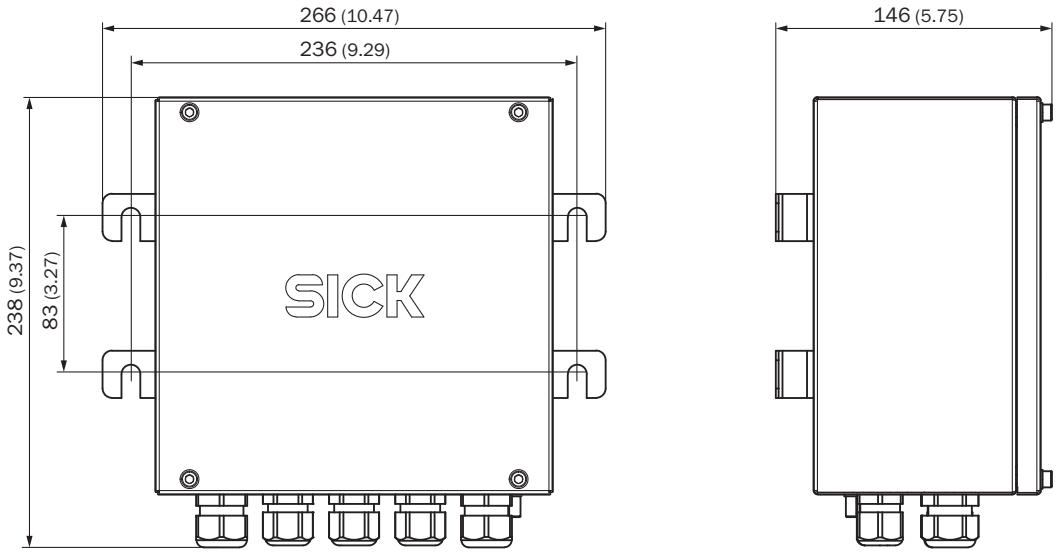
VISIC50SF sensor unit open with clipped-on front cover



TAD control unit

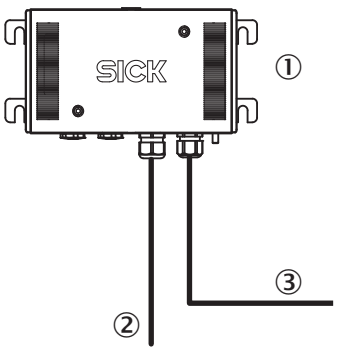


VISIC50SF connecting unit



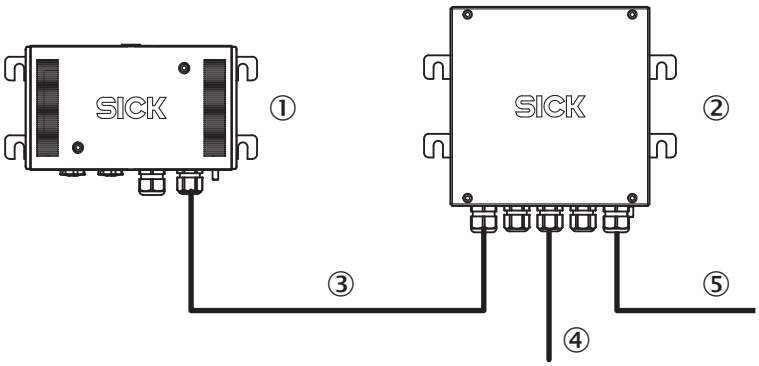
Connection types

Standard version



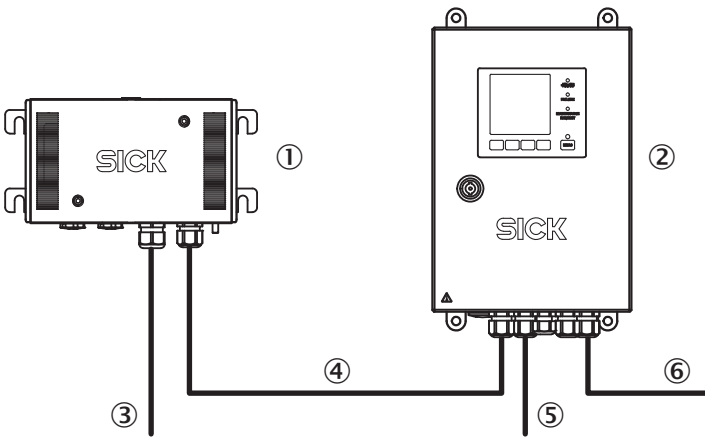
① VISIC50SF sensor unit
② Power supply (24 V)
③ Analog and digital signals or data bus

Version with terminal box



① VISIC50SF sensor unit
② VISIC50SF connecting unit
③ Analog and digital signals or data bus, incl. power supply (24 V)
④ Power supply (230 V)
⑤ Analog and digital signals or data bus

Version with TAD control unit



① VISIC50SF sensor unit
② TAD control unit
③ Power supply (24 V)
④ Analog and digital signals or data bus (max. length = 1,200 m)
⑤ Power supply (230 V)
⑥ Analog and digital signals or data bus

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