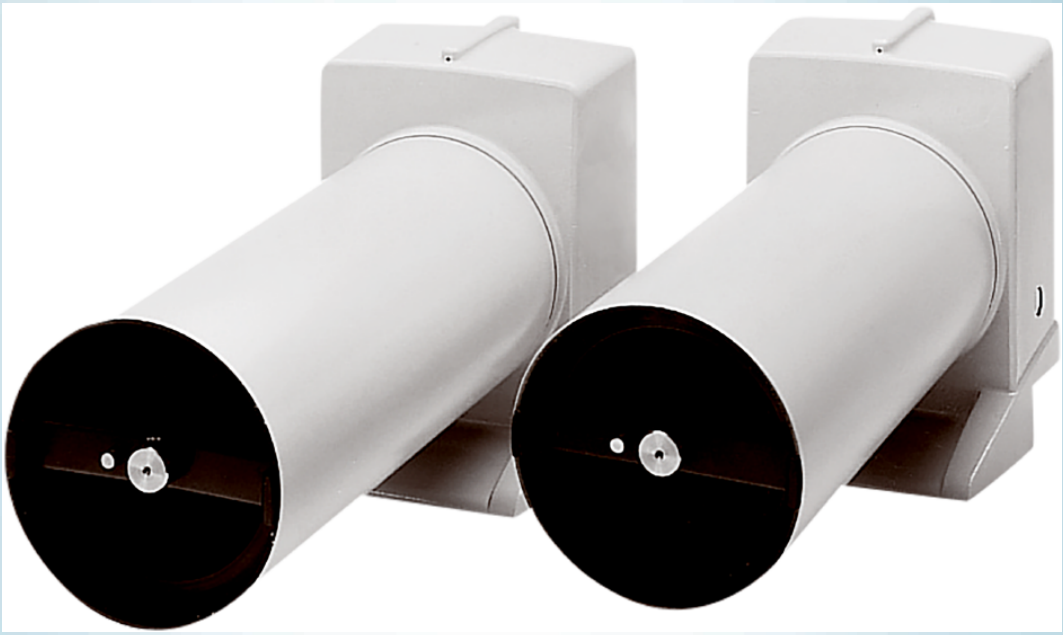
Product data sheet

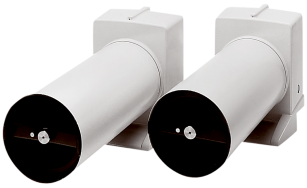


System VICOTEC410

VICOTEC410

AIR QUALITY MEASURING DEVICES

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
System VICOTEC410	On request

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

Other models and accessories ➜ www.sick.com/VICOTEC410

Detailed technical data

Technical specifications

Measured values	Visibility (K-value), CO
Maximum number of measurands	2
Measurement principles	Transmittance measurement, Gas filter correlation
Length of measuring path	10 m
Measuring ranges	
Visibility (K-value)	0 ... 15 km^{-1}
CO	0 ... 300 ppm
Repeatability	
Visibility (K-value)	± 0.1 km^{-1}
CO	± 2 ppm
Ambient temperature	–30 °C ... +60 °C
Storage temperature	–30 °C ... +85 °C
Electrical safety	CE
Enclosure rating	IP65
Analog outputs	2 outputs: 0/2/4 ... 20 mA
Digital outputs	3 relay contacts: 125 V AC, 60 W / 150 V DC, 30 W Preset for failure, maintenance and alert
Digital inputs	1 input: 5 V, 2 mA For external maintenance switch
PROFIBUS DP	✓
Type of fieldbus integration	RS-422
Operation	Menu-driven operation via control unit
Model	VICOTEC411 (only visibility) VICOTEC412 (only CO) VICOTEC414 (visibility and CO)

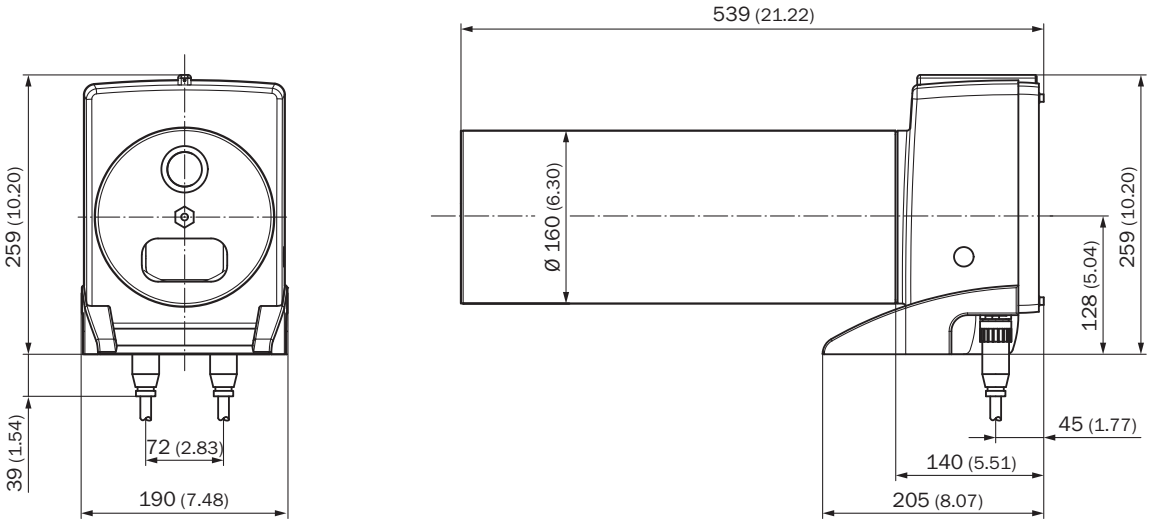
Dimensions (W x H x D)	
Sensor	190 mm x 259 mm x 539 mm (for details see dimensional drawings)
RCU410 control unit	254 mm x 349 mm x 122 mm (for details see dimensional drawings)
Connection unit	125 mm x 103 mm x 57 mm (for details see dimensional drawings)
Connection unit with separate power supply	163 mm x 111 mm x 57 mm (for details see dimensional drawings)
Energy supply	
Voltage	190 V AC ... 260 V AC, ± 10 % 95 V AC ... 130 V AC, ± 10 %
Frequency	50 Hz / 60 Hz
Power consumption	VICOTEC411: ≤ 45 VA VICOTEC412: ≤ 80 VA VICOTEC414: ≤ 90 VA
Corrective functions	Zero point adjustment
Test functions	Reference point check

Classifications

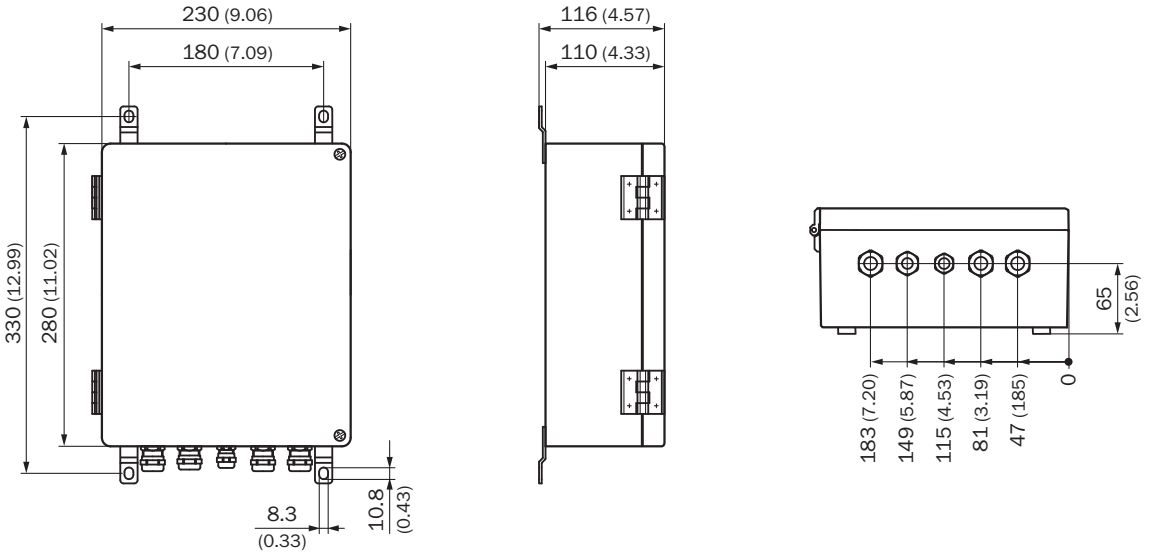
ECLASS 5.0	27150305
ECLASS 5.1.4	27150305
ECLASS 6.0	27150305
ECLASS 6.2	27150305
ECLASS 7.0	27150305
ECLASS 8.0	27150305
ECLASS 8.1	27150305
ECLASS 9.0	27150305
ECLASS 10.0	27150305
ECLASS 11.0	27150305
ETIM 5.0	EC001190
ETIM 6.0	EC001190
ETIM 7.0	EC001190
ETIM 8.0	EC001190
UNSPSC 16.0901	41115406

Dimensional drawing (Dimensions in mm (inch))

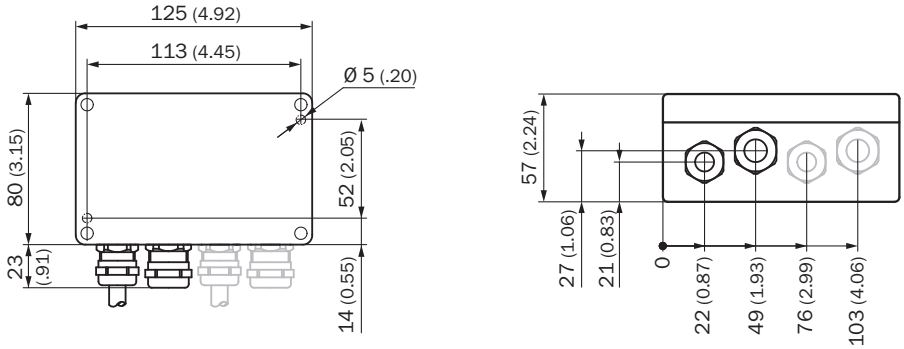
VICOTEC410 sender/receiver unit



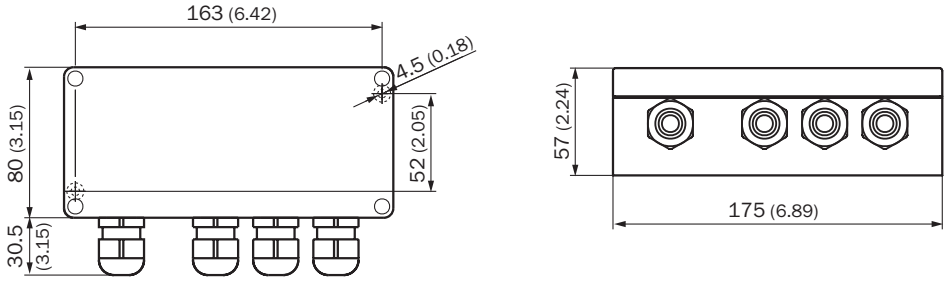
RCU410 control unit



VICOTEC410 connection unit



VICOTEC410 connection unit with separate power supply



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