AODG-P1

SICK
Sensor Intelligence.
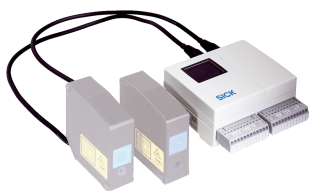
Ordering information

Type	Part no.
AODG-P1	6030978

Other models and accessories ➜ www.sick.com/

Detailed technical data

Technical specifications

Accessory family	Evaluation units
Additional function	Arithmetic calculations, Mean-value setting 1 … 4,096x, Frequency filters, automatic sensitivity adjustment
Connection type head A	Terminal board
Communication interface	Serial, RS-232
Switching output	5 x PNP, 100 mA [1]
Analog output	2 x 4 mA … 20 mA (≤ 300 Ω) [2]
Housing material	Polycarbonat and nylon 66
Operating voltage	DC 12 V (−5 %) … DC 24 V (+10 %)
Power consumption	6 W [3]
Ambient operating temperature	−10 °C … +45 °C
Enclosure rating	IP20
Weight	240 g
Description	OD Max evaluation unit, 5x PNP, required for OD25-01T1

[1] PNP: HIGH = V_S - (< 2 V) / LOW = < 2 V; NPN: HIGH = < 2 V / LOW = V_S.

[2] Source of analog output is either sensor heads, or calculation result.

[3] When connected with two sensor heads, incl. analog current output.

Classifications

eCl@ss 5.0	27270890
eCl@ss 5.1.4	27270890
eCl@ss 6.0	27270890
eCl@ss 6.2	27270890
eCl@ss 7.0	27270890
eCl@ss 8.0	27270890
eCl@ss 8.1	27270890
eCl@ss 9.0	27270892
eCl@ss 10.0	27270892
eCl@ss 11.0	27270892
eCl@ss 12.0	27270992
ETIM 5.0	EC001825
ETIM 6.0	EC001825
ETIM 7.0	EC001825

ETIM 8.0	EC001825
UNSPSC 16.0901	41111613

Dimensional drawing (Dimensions in mm (inch))
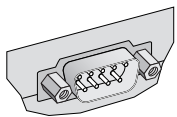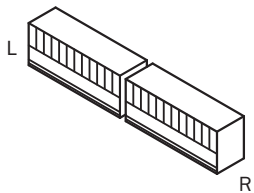
AOD-xx AODG-xx
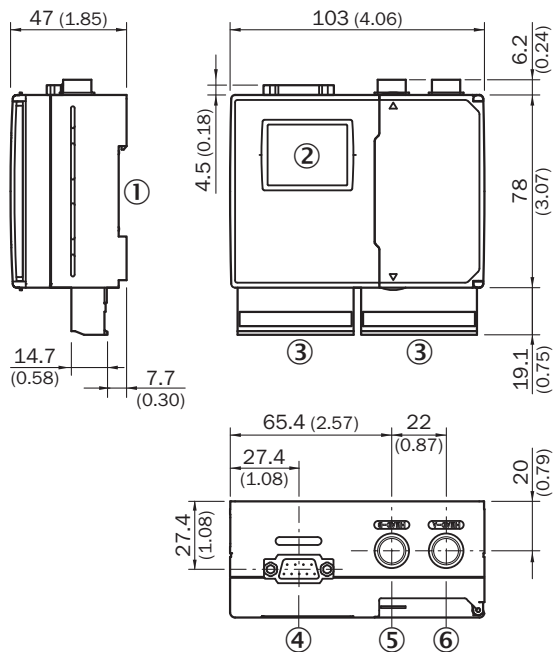
① DIN rail mounting
② LC display
③ Terminal board (detachable)
④ RS-232C interface
⑤ Sensor head B connection port
⑥ Sensor head A connection port
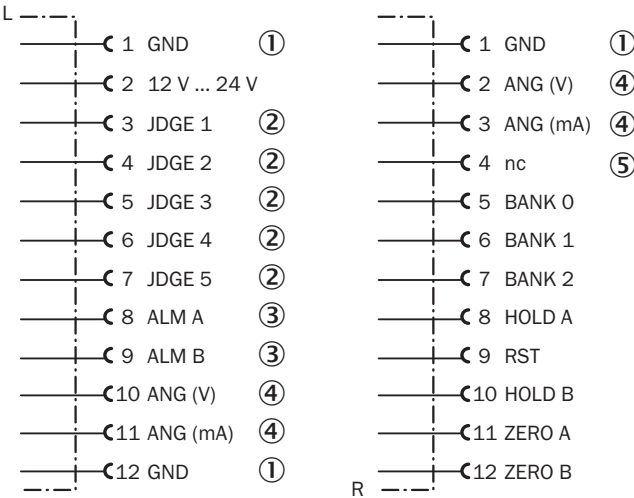
Connection type

Connection diagram RS-232C

Terminal block connection type

Anschlussschema

Terminal block connection diagram

```
L
    C 1  GND        ①          C 1  GND        ①
    C 2  12 V … 24 V           C 2  ANG (V)    ④
    C 3  JDGE 1      ②          C 3  ANG (mA)   ④
    C 4  JDGE 2      ②          C 4  nc         ⑤
    C 5  JDGE 3      ②          C 5  BANK 0
    C 6  JDGE 4      ②          C 6  BANK 1
    C 7  JDGE 5      ②          C 7  BANK 2
    C 8  ALM A       ③          C 8  HOLD A
    C 9  ALM B       ③          C 9  RST
    C10  ANG (V)     ④          C10  HOLD B
    C11  ANG (mA)    ④          C11  ZERO A
    C12  GND         ①          C12  ZERO B
                            R
```

① Ground (0 V)
② Judgement Output = digital output
③ Alarm output
④ Analog output
⑤ Not assigned

Evaluation unit RS-232C

```
1  nc   ①
2  RXD
3  TXD
4  nc   ①
5  GND
6  nc   ①
7  nc   ①
8  nc   ①
9  nc   ①
```
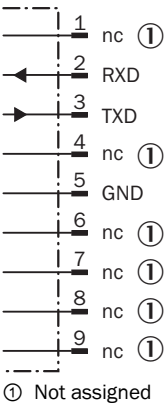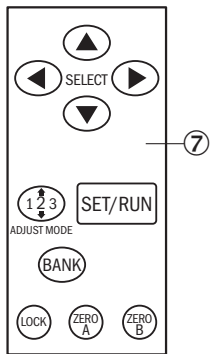
① Not assigned

Adjustments

AOD-xx AODG-xx

⑦ Control elements

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**

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