

IR-Analog Fork Type Light Barrier GD-AH 24V Series



Application

The fork type light barriers of GD-AH Series are very sturdy with a high enclosure rating and therefore ideal for pressing technique and machine tools.

They have an internal amplifier and an air blast connector. The power converter is in the cable integrated.

The sensors are used for measuring technique, like feeding-, positioning-, length measuring and so on.

Technical features

- Sturdy construction
- Internal amplifier
- Air blast connector
- Temperature compensated
- Analog output (0...5V)
- Oil-resistant PUR-cable
- Scratch-resistant optic



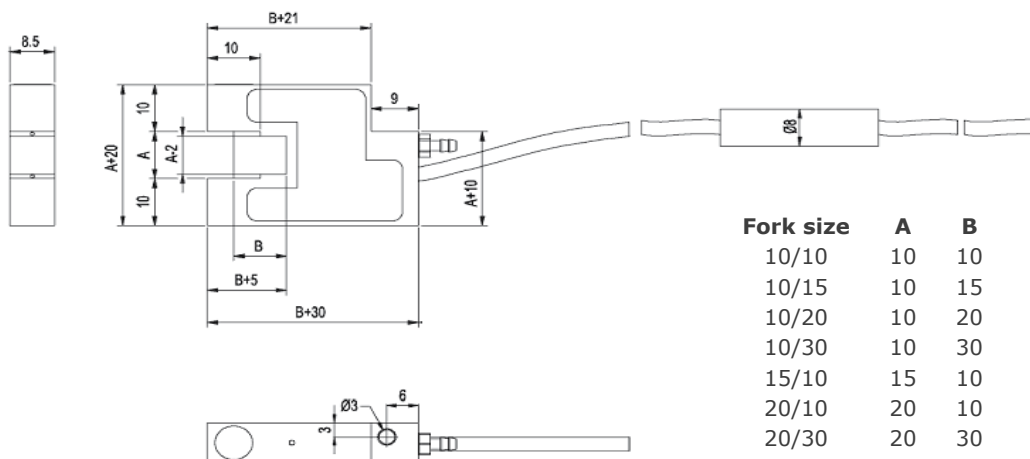
IR-Analog Fork Type Light Barrier

GD-AH 24V Series

Technical Data

Voltage supply:	+12VDC... +30VDC
Max. range:	Typ. 30mA
Transmitter:	IR-Type LED 905nm
Reproducibility:	Typ. 0,2% of measurement range
Optical filter:	Day-light block filter
Apertures:	Round and rectangular apertures
Analog output:	0V... +5V
Operating temperature:	-20 °C... +60 °C
Housing: / Enclosure rating:	Alu, gold anodized / IEC - 801...
Switching frequency:	Typ. 100 kHz

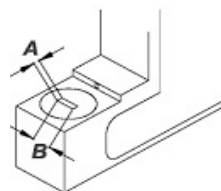
Dimensions



Fork size	A	B
10/10	10	10
10/15	10	15
10/20	10	20
10/30	10	30
15/10	15	10
20/10	20	10
20/30	20	30

Rectangular apertures

A x B (mm)		
0,2 x 0,5	0,3 x 1,5	0,75 x 3,0
0,2 x 1,0	0,3 x 3,0	1,0 x 1,0
0,3 x 0,8	0,5 x 2,0	1,0 x 1,2
0,3 x 1,0	0,75 x 2,0	1,0 x 2,0



Round apertures

Diameter (mm)		
0,4	0,8	1,5
0,6	1,0	2,0

Colour:	Configuration:
brown	+Ub (+12VDC ... +30VDC)
white	GND (0V)
green	Analog (0V...5V)
yellow	n.c.

UNIDOR GmbH
 Freiburger Str. 3
 D-75179 Pforzheim

Tel +49(0)7231/3152-0
 Fax +49(0)7231/3152-99
 info@unidor.de | www.unidor.de

IR-Analog Fork Type Light Barrier

GD-AH 24V Series

Order Data

Article-No.	Short term	Description
51019636	GD-AH 10/10 (24V/0,75x3/X) 1,5m	GD-AH 10/10 (24V/0,75x3/X) 1,5m open end
51019645	GD-AH 10/10 (24V/0,5x1/X) 1,5m	GD-AH 10/10 (24V/0,5x1/X) 1,5m open end
51019646	GD-AH 10/30 (24V/0,75x3/X) 1,5m	GD-AH 10/30 (24V/0,75x3/X) 1,5m open end
51019647	GD-AH 10/30 (24V/0,5x1/X) 1,5m	GD-AH 10/30 (24V/0,5x1/X) 1,5m open end
51019648	GD-AH 20/30 (24V/0,75x3/X) 1,5m	GD-AH 20/30 (24V/0,75x3/X) 1,5m open end
51019649	GD-AH 20/30 (24V/0,5x1/X) 1,5m	GD-AH 20/30 (24V/0,5x1/X) 1,5m open end

Further fork sizes and apertures specify by order (see below)!

GD-AH (24V/ /X) 1,5m

