DATASENSING
easing automation challenges

DATALOGIC - S80 - LASER DISTANCE SENSOR

S80-MH-5-YL09-PPIZ

- Sensing range of up to 7m
- Retro reflective sensing range of 20m or 100m
- 4 digit display and RS485 serial interface
- 2 PNP NO or 2 NPN NO
- 4..20 mA analogue output

PRODUCT DESCRIPTION

The S80 series is a class 2 laser distance sensor with time of flight measurement technology provides the S80-Y0 proximity sensor with a 0.3 - 4 m distance and S80-YL0 with a sensing range of 0.3 to 7 m both with scalable range. The S80-Y1 and S80-Y2 retro reflective sensors have operating distances reaching 20 or 100 m. Models with two digital outputs, both the NPN and PNP, are available together with 4-20 mA analogue output and RS485 serial interface
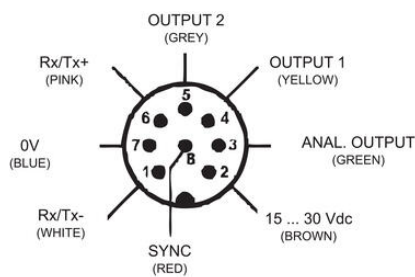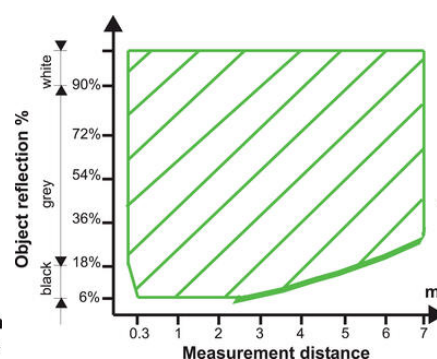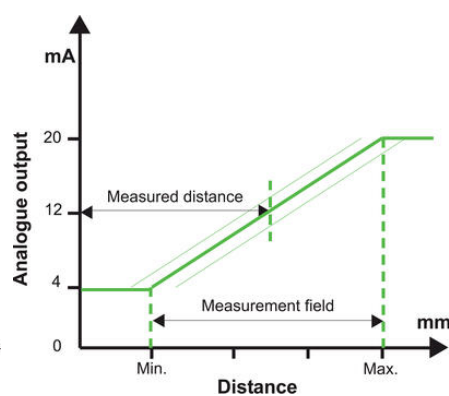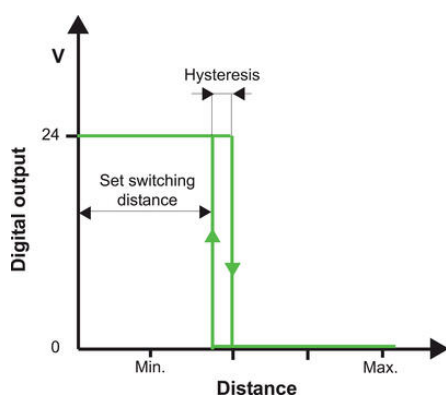
Applications:
·Level Control
·Pallet presence on stocker cranes
·Unwinding coils
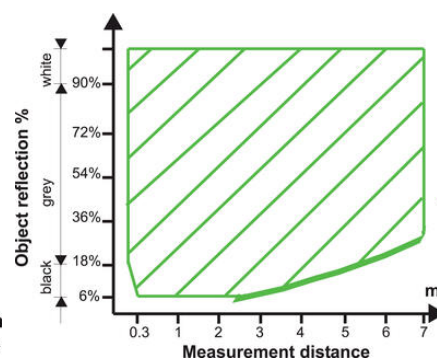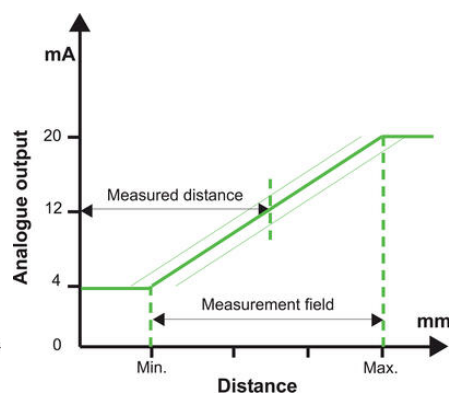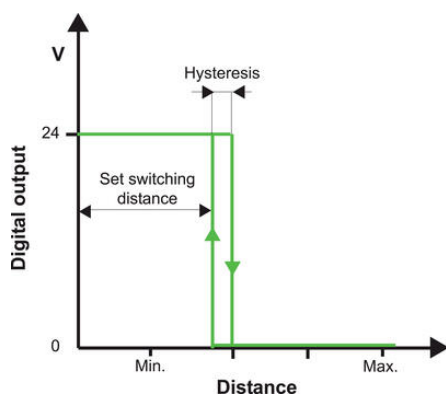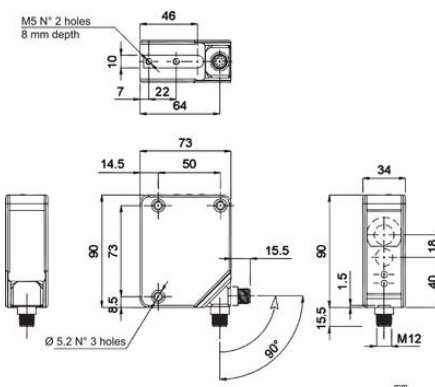·Pallet positioning
·Distance measurement of a moving pallet

SPECIFICATIONS

Approvals	CE, UL
Distance Max	7000 mm
Distance Min	300 mm
Electrical connection	M12 8 pole connector
Function	Dark On/Light On
IP Class	IP67
LED indicator	Yes
Lens material	Glass
Light type	Red laser
Material of body	Aluminium

Output	4-20 mA, PNP, RS422
Output current max	0,1 A
Photocell technology	Distance measuring laser
Reaction time	6 ms
Supply voltage	15-30 V DC
Temperature range bearing, from	-25 °C
Temperature range bearing, to	70 °C
Temperature range from	-10 °C
Temperature range to	50 °C
Weight	330 g

OUTPUT 2
(GREY)

Rx/Tx+
(PINK)

OUTPUT 1
(YELLOW)

0V
(BLUE)

5

6   4

7   3

1   2

8

ANAL. OUTPUT
(GREEN)

Rx/Tx-
(WHITE)

SYNC
(RED)

15 ... 30 Vdc
(BROWN)

A Output 'OR' function LED
B Output status LED
C Response time LED
D 4-digit display
E SET push-button
F +/- selection push-buttons
G Alarm LED
H M12 connector output,
   orientable on 2 positions

M5 N° 2 holes
8 mm depth

46

10

7

22

64

73

14.5   50

90

73

15.5

8.5

Ø 5.2 N° 3 holes

90°

34

90

1.5

15.5

18

40

M12

mm