

## DATALOGIC - S80 - LASER DISTANCE SENSOR

S80-MH-5-Y19-PP  
951501020 Distance Sensor 20m Analogue/RS485/2  
PNP

- 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

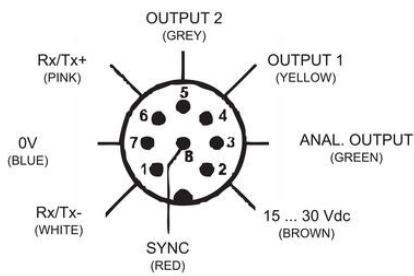
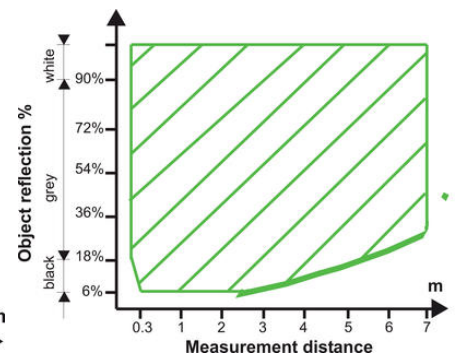
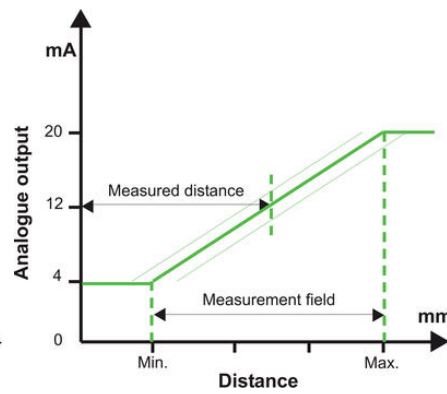
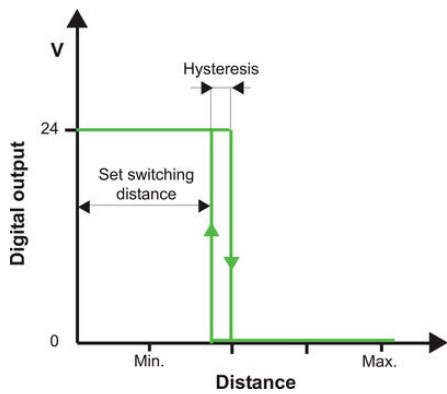
Applications:

- Level Control
- Pallet presence on stocker cranes
- Unwinding coils
- Pallet positioning
- Distance measurement of a moving pallet

### TECHNICAL DATA

<b>Approvals</b>	CE, UL
<b>Distance max</b>	20000 mm
<b>Distance min</b>	300 mm
<b>Electrical connection</b>	M12 8-pin connector
<b>IP class</b>	IP67
<b>LED indicator</b>	Yes
<b>Lens material</b>	Glass
<b>Light type</b>	Red laser
<b>Material of body</b>	Aluminium
<b>Output</b>	4-20 mA, PNP

<b>Output current max</b>	0,1 A
<b>Photocell technology</b>	Retro reflective
<b>Reaction time</b>	5 ms
<b>Storage temperature max</b>	70 °C
<b>Storage temperature min</b>	-25 °C
<b>Supply voltage</b>	15-30 V DC
<b>Temperature operational max</b>	50 °C
<b>Temperature operational min</b>	-10 °C
<b>Weight</b>	330 g



- 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

