

- ▶ **COMPACT** optosensor with integrated amplifier
- ▶ High performance miniature through beam sensor
- ▶ Very long range – outstanding object resolution
- ▶ Robust stainless steel housing
- ▶ With cable connection or M8 connector



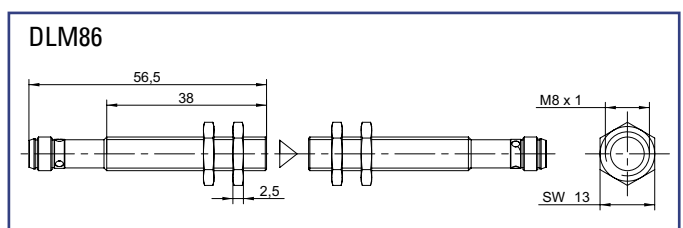
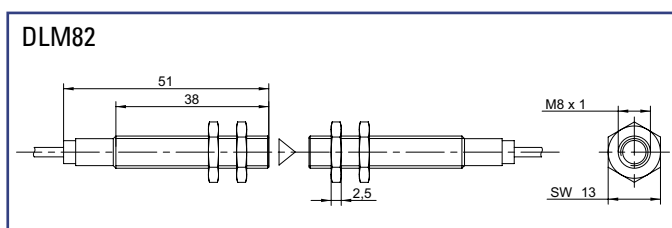
**THROUGH BEAM SENSOR with integrated amplifier**

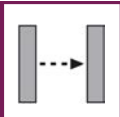
▶ **TECHNICAL DATA**

MODEL	DLM82	DLM86
Light type	Infrared 880nm	
Operating temperature	-10°C to +55°C	
Protection class	IP65	
Functional principle	pulsed	
Frequency response	400Hz	
Power supply indicator/Signal stability	LED orange	
Operating voltage	10...30 VDC reverse polarity protection	
Current consumption	30mA	
Output current	PNP 100mA short circuit proof	
Hystereses	<15%	
Response time	<1,5ms	
Sensing distance (not adjustable)	max. 3m	
Supply connection	2m PUR cable 3 x 0,10mm <sup>2</sup>	connector M8, 3pin *
Housing material	stainless steel	
Mounting	for screw-in fixture	
Adjustment indicator	LED blinking 2Hz	
Short circuit indication	LED blinking 8Hz	

\* cable to be ordered separately

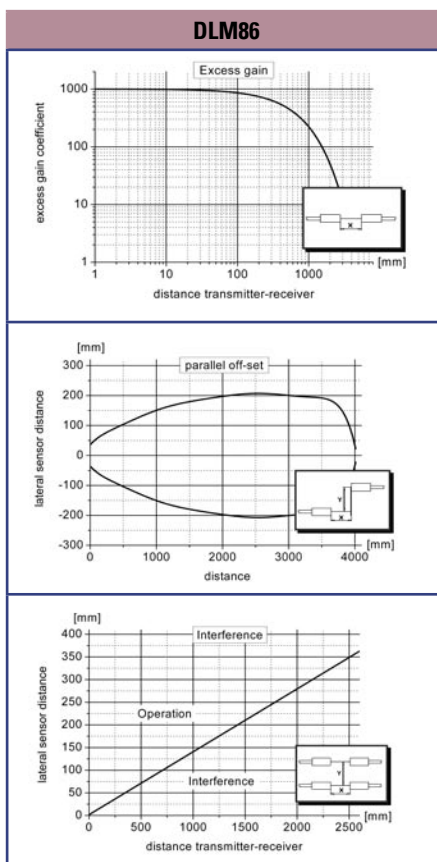
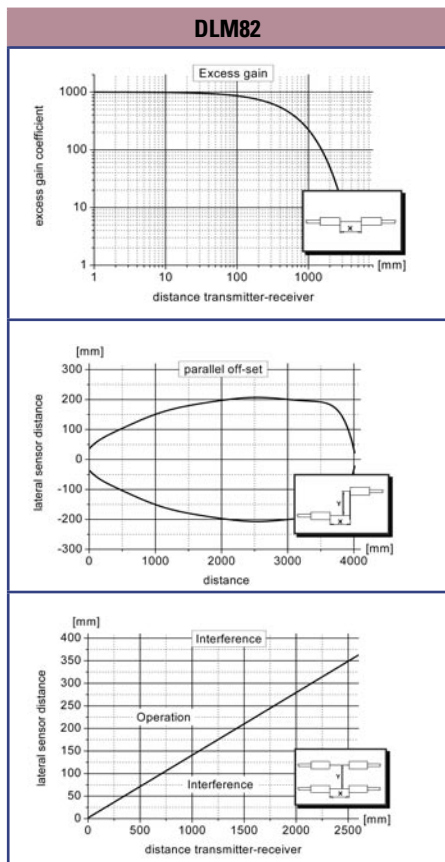
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.





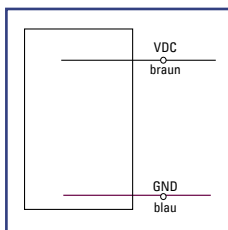
# DLM82 | DLM86

► **GRAPHS** (All Graphs showing typical data with STM amplifier.)

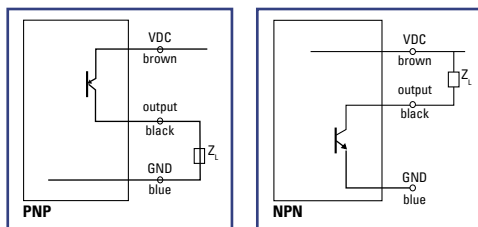


► **CONNECTION-DIAGRAM**

Emitter:



Receiver:



► **PIN CONNECTION**

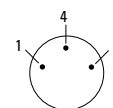
Emitter:

PUR-Kabel, 2polig, 2m

brown + VDC  
blue - GND

Stecker M8, 3polig

1 (brown) + VDC  
3 not connected  
4 (blue) - GND



connector side

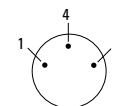
Receiver:

PUR-cable, 3pin, 2m

brown + VDC  
blue - GND  
black signal output

connector M8, 3pin

1 (brown) + VDC  
3 (black) signal output  
4 (blue) - GND



connector side

**PART DESIGNATION**

<b>DLM82-BDP</b>	= cable	infrared	pulsed	dark-on	PNP-output
<b>DLM86-BDP</b>	= connector M8	infrared	pulsed	dark-on	PNP-output
<b>DLM82-BDN</b>	= cable	infrared	pulsed	dark-on	NPN-output
<b>DLM86-BDN</b>	= connector M8	infrared	pulsed	dark-on	NPN-output

Please do not forget to order the appropriate power supply cable (see accessories).