

- ▶ **Miniature light sensor with especially high range**
- ▶ **Very high resolution across the entire operating area**
- ▶ **Beam width less than 1°**
- ▶ **Visible red light for better alignment**
- ▶ **Glass-protected optics**



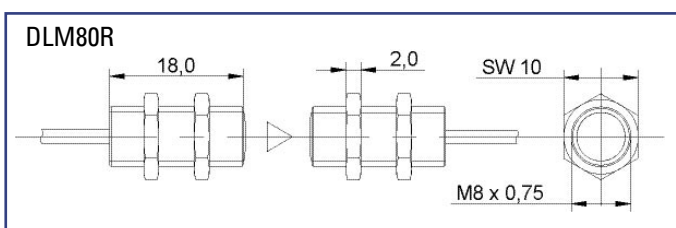
**THROUGH BEAM SENSOR  
for separate amplifier**

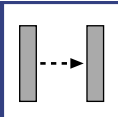
▶ **TECHNICAL DATA**

MODEL	DLM80R
Light type	red 660nm
Operating temperature	-10°C to +55°C
Protection class	IP65
Sensing distance	4000mm
Light spot diameter at 1000mm	18mm
Smallest object*	0,1mm
Connection type	PUR-cable with connector
Dimensions	M8 x 0,75mm x 18mm
Housing material	nickel-plated brass
Mounting	for screw-in fixture

\* Ø copper wire of infinite length. Depending on adjustment and sensing distance (see graphs).

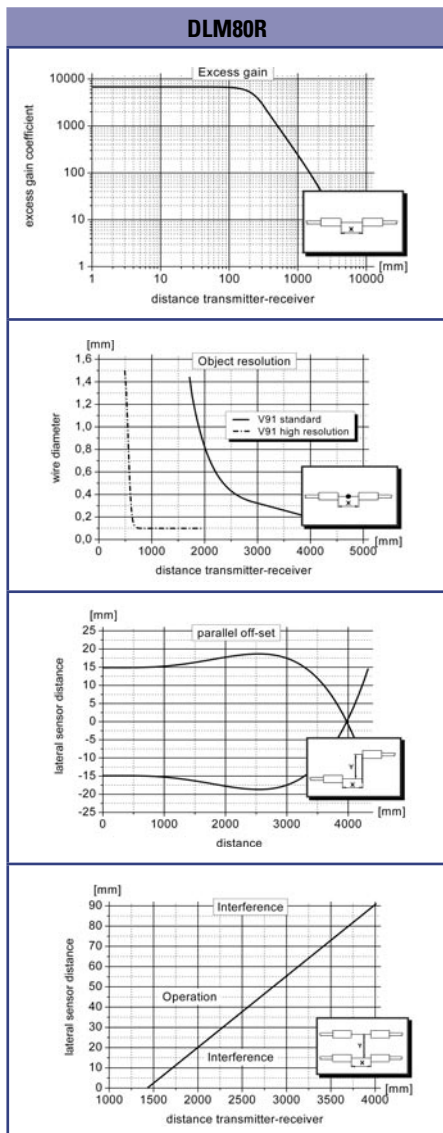
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.





# DLM80R

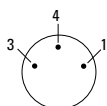
► **GRAPHS** (All Graphs showing typical data with STM amplifier.)



► **PIN CONNECTION**

option - 0: M8, 3pin (standard)

- 3 + receiver (green)
- 4 GND/shielding (white, black)
- 1 + emitter (red)



connector side

	<p><b>jacket material</b>  <b>P</b>: PUR-cable black ø 1,8mm  <b>F</b>: highly flexible PUR-cable red ø 1,1mm</p>	<p><b>connector</b>  <b>0</b>: M8 - connector 3pin                  special model available on request</p>	<p><b>cable length</b> (specification in [m])                  standard length 1m                  special cable length available on request</p>
<b>PART DESIGNATION</b>	<p><b>Model</b> - <input type="text"/> - <input type="text"/> : <input type="text"/></p>		
<b>ORDER EXAMPLE</b>	<p><b>DLM80R - P - 0 : 1m</b> = DLM80 red light - PUR-cable black - M8, 3pin : cable length 2m</p> <p>Please note, for correct operation, a separate amplifier is required.</p>		