



- ▶ **MICROmote®**-sensor for separate amplifier with extremely small light spot Ø 0,4mm
- ▶ **Integrated high performance optics:**
no additional apertures or lenses required
- ▶ **Ideal for applications that require especially high resolution or very large repeat precision**
- ▶ **Flexible, dynamic highly resilient electric supply lines (no optical fibers!)**
- ▶ **No minimum bending radius**



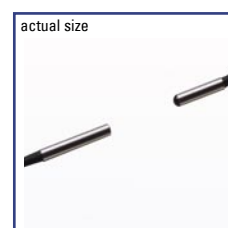
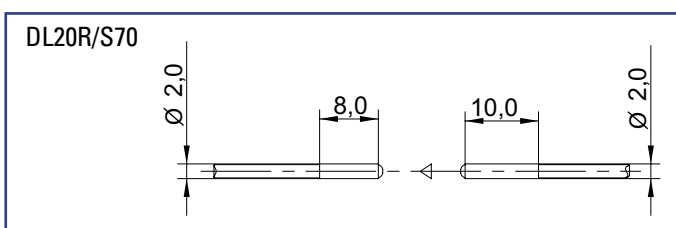
**THROUGH BEAM SENSOR
for separate amplifier**

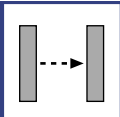
▶ **TECHNICAL DATA**

MODEL	DL20R/S70
Light type	red 660nm
Operating temperature	-10°C to +55°C
Protection class	IP65
Sensing distance	200mm
Light spot diameter at 100mm	0,4mm
Smallest object*	0,05mm
Connection type	PUR-cable with connector
Dimensions	emitter Ø 2mm x 10mm; receiver Ø 2mm x 8mm
Housing material	stainless steel
Mounting	for gluing and clamping fixture

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

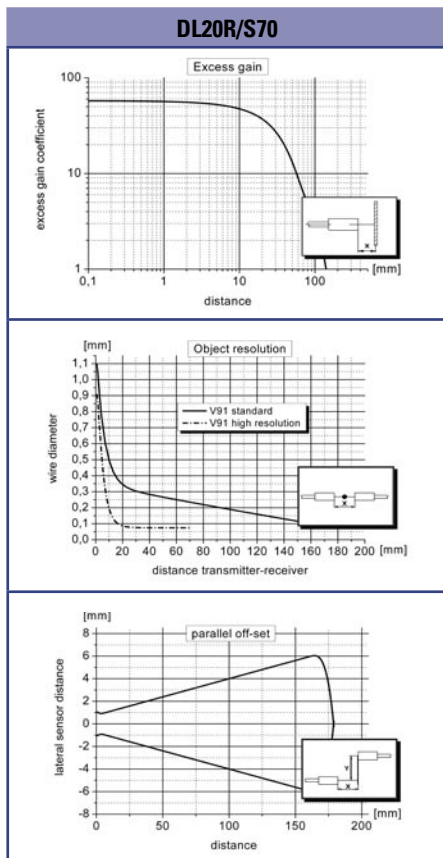
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.





DL20R/S70

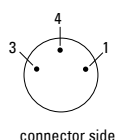
► **GRAPHS** (All Graphs showing typical data with STM amplifier.)



► **PIN CONNECTION**

option - 0: M8, 3pin (standard)

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



PART DESIGNATION	jacket material	connector	cable length (specification in [m])
	P: PUR-cable black ø 1,8mm F: highly flexible PUR-cable red ø 1,1mm	0: M8 - connector 3pin special model available on request	standard length 1m special cable length available on request
Model	- [] - [] : []		
ORDER EXAMPLE	DL20R/S70 - P - 0 : 1 = DL20 red light/special model S70 - PUR-cable black - M8, 3pin : cable length 1m		
Please note, for correct operation, a separate amplifier is required.			