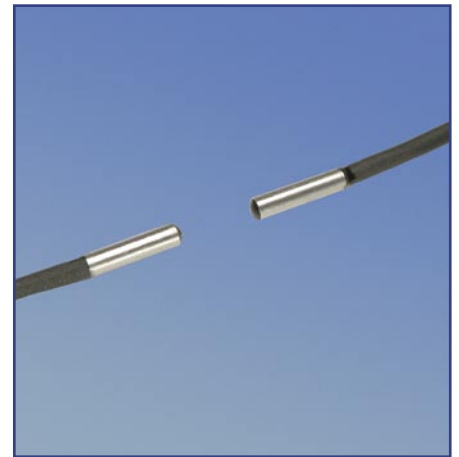




- ▶ **MICROmote®** -sensor for separate amplifier with extra small diameter
- ▶ **The world's smallest through beam sensor!**
- ▶ **Thanks to microSPOT technology, the perfect light spot minimizes interfering reflections on adjacent surfaces**
- ▶ **microSPOT optics provide an extraordinary low beam angle of 3,5° and guarantee the highest resolution without additional lenses or apertures**
- ▶ **Extra flexible cable - no installation limitations from minimum bending radius requirements**



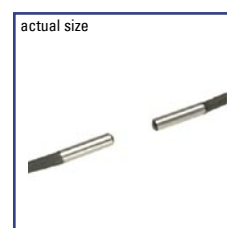
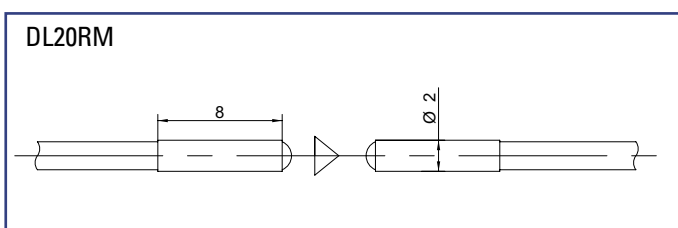
**THROUGH BEAM SENSOR
for separate amplifier**

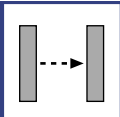
▶ **TECHNICAL DATA**

| MODEL | DL20RM |
|-----------------------------|--------------------------------|
| Light type | micro ● SPOT® ** red 645nm |
| Operating temperature | -10°C to +55°C |
| Protection class | IP65 |
| Sensing distance | 500mm |
| Lightspot diameter at 100mm | 10mm |
| Smallest object* | 0,04mm |
| Connection | PUR-cable with connector |
| Dimensions | Ø 2mm x 8mm |
| Housing material | stainless steel |
| Mounting | for gluing an clamping fixture |

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

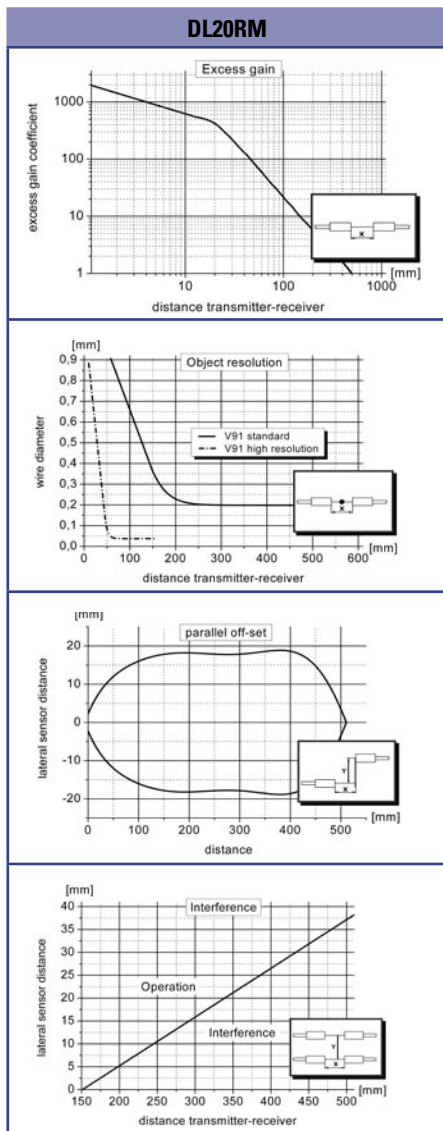
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.





DL20RM

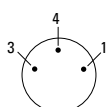
► **GRAPHS** (All Graphs showing typical data with STM amplifier.)



► **PIN CONNECTION**

option - 0: M8, 3pin (standard)

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



connector side

| | | | |
|-------------------------|---|--|---|
| | <p>jacket material</p> <p>P: PUR-cable black ø 1,8mm</p> <p>F: highly flexible PUR-cable red ø 1,1mm</p> | <p>connector</p> <p>0: M8 - connector 3pin</p> <p>special model available on request</p> | <p>cable length (specification in [m])</p> <p>standard length 1m (emitter and receiver side each)</p> <p>special cable length available on request</p> |
| PART DESIGNATION | Model - [] - [] : [] | | |
| ORDER EXAMPLE | DL20RM - P - 0 : 1m = DL20 microSPOT - PUR-cable black - M8, 3pin : cable length 1m | | |
| | Please note, for correct operation, a separate amplifier is required. | | |