DL20RN

- **MICROmote®-sensor for separate amplifier with extra small diameter**
- **The world´s smallest through beam sensor!**
- **Thanks to nanoSPOT technology, the perfect light spot minimizes interfering reflections on adjacent surfaces**
- **nanoSPOT optics provide an extremely low beam angle of 1,5° and guarantee the highest resolution without additional lenses or apertures**
- **Extra flexible cable - no installation limitations from minimum bending radius requirements**

nano•SPOT®

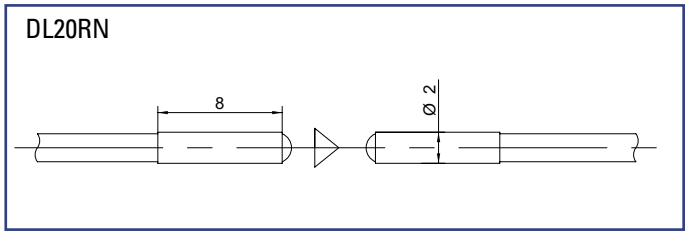
THROUGH BEAM SENSOR for separate amplifier

TECHNICAL DATA

MODEL	DL20RN
Light type	nano•SPOT® ** red 645nm
Operating temperature	-10°C to+55°C
Protection class	IP65
Sensing distance	800mm
Lightspot diameter at 100mm	3,5mm
Smallest object*	0,03mm
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.



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

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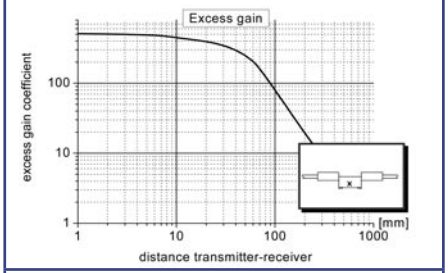
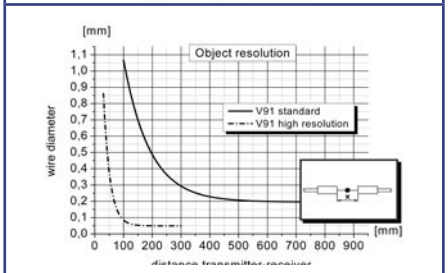
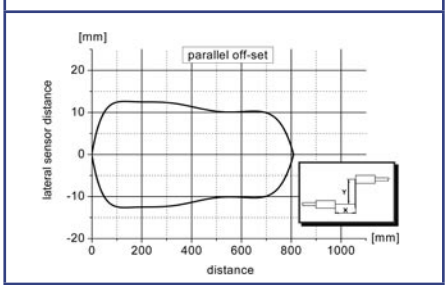
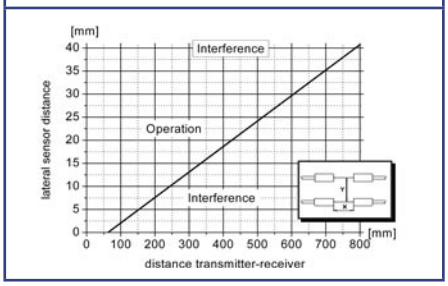




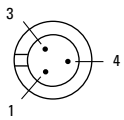




PIN CONNECTION

option - 2: 719, 3pin (standard)

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



connector side

jacket material
P: PUR-cable black ø 1,8mm
F: highly flexible PUR-cable red ø 1,1mm

connector
2: 719 - connector 3pin
special model available on request

cable length (specification in [m])
standard length 1m (emitter and receiver side each)
special cable length available on request

PART DESIGNATION **Model** – □ – □ : □

ORDER EXAMPLE **DL20RN - P - 2 : 1m** = DL20 nanoSPOT - PUR-cable black - 719, 3pin : cable length 1m

Please note, for correct operation, a separate nanoSPOT amplifier is required.