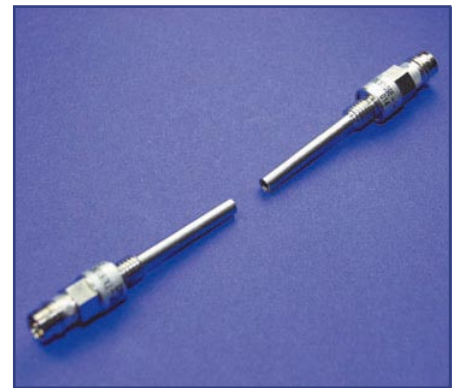


- ▶ Designed for high vacuum applications
- ▶ Screw-in attachment for installation in the walls of vacuum chambers
- ▶ VITON O-Ring seal
- ▶ Very high object resolution
- ▶ Approved, robust construction

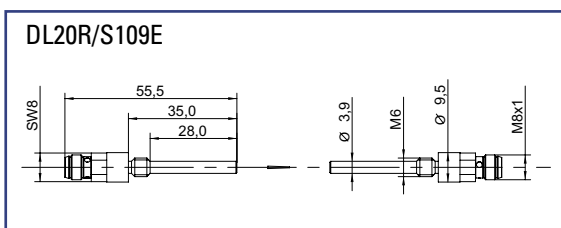


**VACUUM THROUGH BEAM SENSOR**  
for separate amplifier

▶ **TECHNICAL DATA**

<b>MODEL</b>	<b>DL20R/S109E</b>
<b>Light type</b>	red 650nm
<b>Operating temperature</b>	-10°C to +55°C
<b>Protection class</b>	IP65
<b>Sensing distance</b>	300mm
<b>Connection type</b>	M8 with connector
<b>Dimensions</b>	M8 x 55,5mm
<b>Housing material</b>	stainless steel
<b>Mounting</b>	screw-in attachment

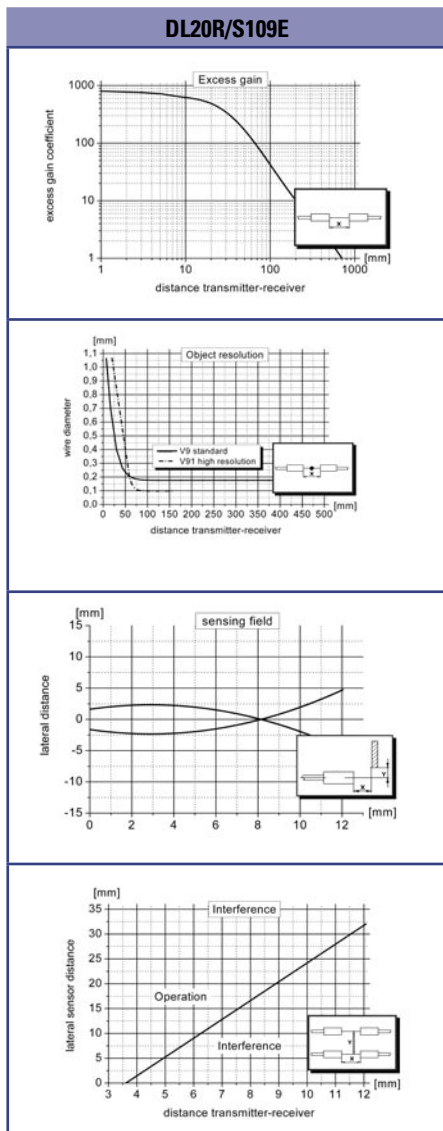
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.





**DL20R/S109E**

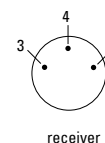
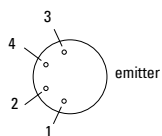
► **GRAPHS** (All Graphs showing typical data with STM amplifier.)



► **PIN CONNECTION**

- 1 not connected
- 2 not connected
- 3 (red) LED +
- 4 (white) LED -

- 1 (green) FT-
- 3 (black) not connected
- 4 (black) FT+



**PART DESIGNATION**

**DL20R/S109E - 14**

Please note, for correct operation, an adapter cable and a separate amplifier is required.