

| Technical specifications | |
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| SITRANS LR580 | |
| Mode of operation | |
| Recommended measuring range | Beam angle 3°: 120 m (394 ft) |
| Medium conditions | |
| Process temperature | PEEK/FKM: -40 ... +150 °C (-40 ... +302 °F) |
| | PEEK/FKM, thermal extension: -40 ... +200 °C (-40 ... +392 °F) |
| | PEEK/FFKM, thermal extension: -15 ... +250 °C (-4 ... +392 °F) |
| Process pressure | -1 ... 3 bar max. |
| Design | |
| Flange material | 316/316L |
| Wetted materials | |
| Antenna lens | PEEK |
| Antenna seal | FKM/FFKM (Perlast G75B) |
| Process connections | DN80 PN16, flat face |
| | DN100 PN16, flat face |
| | DN150 PN16, flat face |
| | 3" 150 lb, flat face |
| | 4" 150 lb, flat face |
| | 6" 150 lb, flat face |
| | DN80 10K, flat face, JIS |
| | DN100 10K, flat face, JIS |
| | DN150 10K, flat face, JIS |
| | Aiming flange universal |
| | DN100/4" |
| | Aiming flange universal |