



Do you have UWT on your radar yet?



# SITRANS LR 560

**FMCW radar level transmitter for continuous monitoring of solids**



Solution Partner

Automation

**SIEMENS**

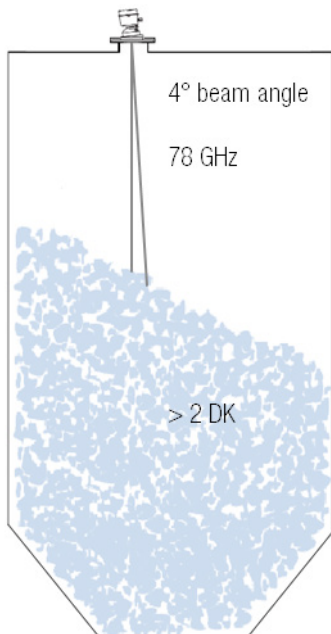
# SITRANS LR 560



## Advantages Radar

- 4° beam angle
- Measuring range up to 100m
- High measurement precision
- Easy to install and setup
- Process Temperature up to 200°C
- Compact version
- Lens antenna

The robust stainless steel construction makes the LR560 extremely suitable for all kinds of industrial applications. The unit operates at a high frequency of 78 GHz thus achieving a very small beam angle which eliminates any signal interference at the flange but allows optimum reflection of the bulk solids material. The flange can be adjusted to ensure a perfect positioning of the LR560, ie the angle of the beam can be set to a specific point, for example the outlet of the silo. The lens antenna is highly resistant to material deposits and offers a self-clean function for extremely sticky solids using an air flush connection. The Local display interface (LDI) allows programming and diagnostics on-site making the installation and operation of the unit as easy as child's play.



## Technical Detail

|                             |  |
|-----------------------------|--|
| Housing                     | Stainless steel IP68                                   |
| Measuring range / tolerance | 100m / ±0,25%  |
| Pressure range              | 3 bar g (40 psi g) max.                                |
| Supply voltage              | 24 V DC (max. DC 30 V)                                 |
| Process connection          | DN100 PN16   |
| Process temperature range   | -40°C up to +200°C                                     |
| Signal output               | 4...20mA, 2-wire                                       |
| Communication               | HART-, Profibus- and Foundation Fieldbus-communication |
| Sensitivity (DK-value)      | > 2,0  |

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