



JAYCEEWAVE - RADAR LEVEL TRANSMITTER

76-81GHz FMCW Radar Level Transmitter

JCSK-R800 series

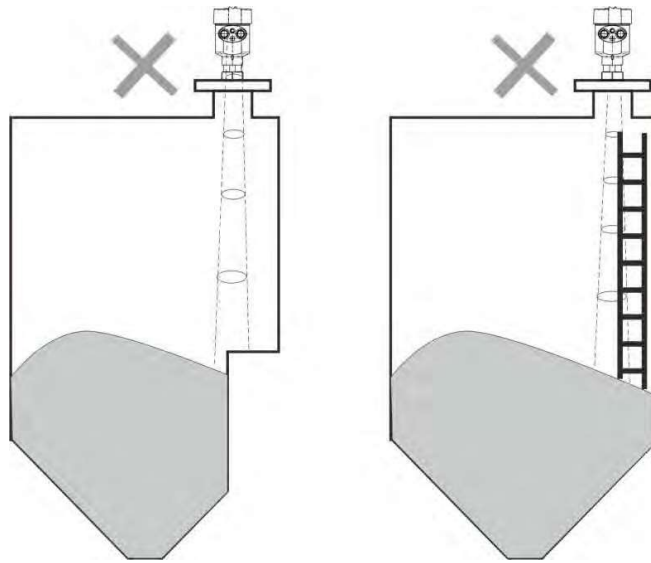


Technical specifications

Table1 SK-R800 Technical Specifications

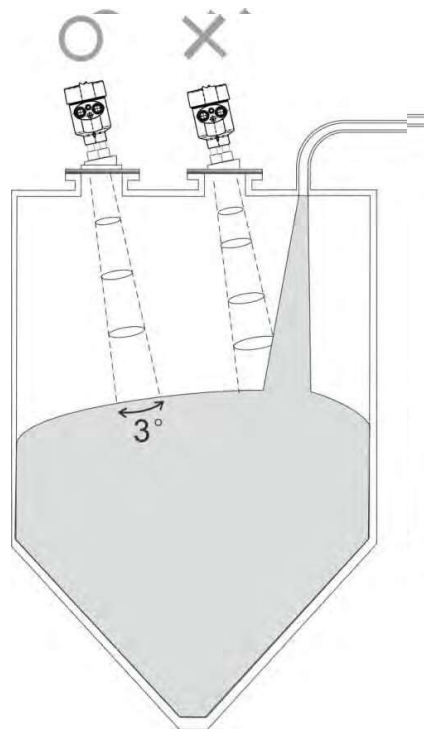
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|--------------------------------------|---|
| Frequency | 76GHz ~ 81GHz, 5GHz FMCW bandwidth |
| Measuring range | LM78x0: 0.08 m ~ 10m (liquid) LM78x1: 0.08m ~ 15m (liquid) LM78x2: 0.08m ~ 35m (liquid and solid) |
| Measurement accuracy | ±1mm |
| Beam angle | 3°/8° |
| Minimum measured dielectric constant | >=2 |
| Power | 15~28VDC |
| Communication | LM782x: MODBUS |
| Signal output | LM782x: 4 ~ 20mA or RS-485 LM783x: 4~20mA |
| Fault output | 3.8mA, 4mA, 20mA, 21mA, hold |
| Field operation / programming | 128 × 64 dot matrix display / 4 buttons PC software |
| humidity | ≤95%RH |
| Enclosure | Aluminum alloy, stainless steel |
| Antenna type | Lens antenna, can be equipped with antenna cover / anti-corrosive antenna / flange isolated by quartz |
| Process temperature | T0:-40~85°C |
| Process pressure | -0.1~2MPa |
| Product Size | Ø100*270mm |
| Cable entry | M20*1.5 |
| Recommended cables | AWG18 or 0.75mm ² |
| Protection class | IP67 |
| Installation method | Thread or flange |

INSTALLATIONS



Keep the antenna beam free of any interference such as ladders, pipes, steps, as shown above

The main concern of installation is to aim to the material surface under test and on the other hand to avoid false echoes. Typical methods are listed here for correct installation.



- Avoid the contact between antenna beam and feeding flow, as shown in Fig