

SITRANS LR500 series

Compact 80 GHz radar transmitters for hassle-free level measurement



	SITRANS LR510	SITRANS LR530	SITRANS LR550	SITRANS LR580
Order No.	7ML751	7ML753	7ML755	7ML758
	Threaded lens antenna for liquid applications	Flanged encapsulated antenna for extreme conditions	Polymeric horn antenna for solids and liquid applications	Lens antenna with integrate aiming flange for solids applications
Wetted materials	316L or C22 Alloy, FKM or FFKM seal, Peek lens	PTFE lens with integral gasket	PP with FKM or EPDM sealing	316L with FKM or FFKM seal, Peek lens
Measuring range	3/4": 10 m 1": 20 m 1 1/2": 30 m	1"/DN25: 20 m 2"/DN50: 30 m 3"/DN80 or larger: 120 m	120 m	120 m
Process connections	Threaded, 3/4", 1", or 1 1/2"	Flange, 1"/DN25 to 8"/DN200	Open air or flanges 3"/DN80 to 8"/DN200	3"/DN80 to 6"/DN150
Process pressure	Max 40 bar, depending on temperature	Max 25 bar, depending on temperature	Max 2 bar	Max 3 bar
Process temperature	-40 °C to 250 °C depending on seal type	- 196 °C to 200 °C depending on seal type	-40 °C to 80 °C	-40 °C to 250 °C depending on seal type
Second Line of Defense	Available	Available	N/A	Available
Beam Angle	3 3/4": 14° 1": 10° 1 1/2": 7 / 10°	1"/DN25: 10° 2"/DN50: 6° 3"/DN80 or larger: 3°	3°	3°
Air purge connection	N/A	N/A	Optional accessory	Integrated

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