

**Scanrad SC R8 80 GHz
Radar Level Transmitter**



Key features

- Compact 80 GHz design
- Simple 2 wire connection
- 4 - 20mA / HART / RS485 outputs
- Range up to 35 Metres
- Operation -40 to $+80^{\circ}\text{C}$
- Pressure Max 40Mpa
- Accuracy $\pm 2\text{mm}$
- Power up Self-test diagnostics
- Automatic false echo suppression
- Certified I.S. II 1G Ex ia IIC T6...T3 Ga

Scanrad Radar Level Transmitter

Scanrad is a high accuracy pulse radar transmitter intended for tank level measurement for typical application for Ship-board duties on:-

- Barges
- Chemical Carriers
- Product Carriers

It is also suitable for general industrial application.

The compact design is offered with DN80 flanged mounting.

Inbuilt diagnostic software enables the user to map an installation to filter out echoes from In-tank obstacles to ensure accurate measurement

SPECIFICATIONS

Measuring Range:	Up to 35 m 80GHz Radar (FMCW)	Weight:	7 kg
Microwave Frequency:	±2mm	Power:	21.6 ~ 26.4 VDC 2 wire DC
Accuracy:	3° from perpendicular line	Output Signal:	4-20mA./HART/RS 485 SS316L
3dB Beam angle:	40 ~ +150°C	Housing Material:	(Mo 2.8)
Operating Temperature:	Max. 40MPa	Enclosure Material:	SS 316L (Mo 2.8)
Process Pressure:	40 ~ + 100°C	Process connection:	Flange DN 80, SS 316L Mo
Storage/Transport:	<95%	Process seal:	2.8 PTFE 1x M20x1.5, 1x
Relative Humidity:	II 1G Ex ia IIC T6...T3	Cable connection:	M25x1.5
Intrinsic safety approval:	Ga IP67	Measuring Interval:	<1sec
Protection Class:		Adjustment Time:	Adjustable from 1 second

