



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°C
- Pressure Max 40Mpa
- Accuracy +/- 2mm
- 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

Microwave Frequency: (FMCW)
Accuracy: ±2mm

3dB Beam angle: 3° from perpendicular line

Operating Temperature: $40 \sim +150^{\circ}$ CProcess Pressure:Max. 40MPaStorage/Transport: $40 \sim +100^{\circ}$ C

Relative Humidity: <95%

Intrinsic safety approval: II 1G Ex ia IIC T6...T3

Protection Class: Ga IP67

Weight: 7 kg

Power: 21.6 ~ 26.4 VDC 2 wire DC **Output Signal:** 4-20mA./HART/RS 485 SS316L

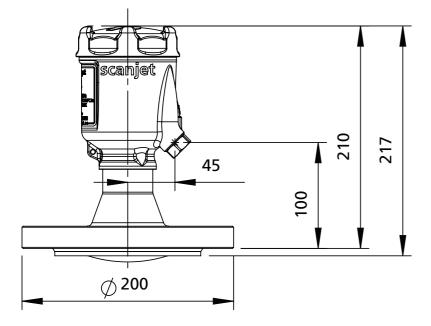
Housing Material: (Mo 2.8)

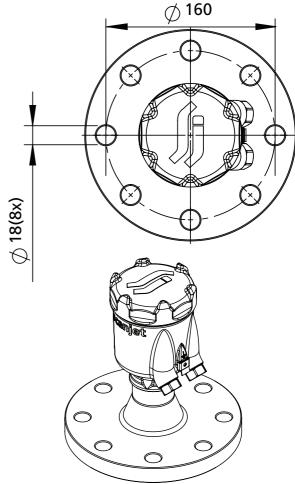
Enclosure Material: SS 316L (Mo 2.8)

Process connection: Flange DN 80, SS 316L Mo **Process seal:** 2.8 PTFE 1x M20x1.5, 1x

Cable connection: M25x1.5 **Measuring Interval**: <1sec

Adjustment Time: Adjustable from 1 second





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