

**Scanrad SC R5 26Ghz
Radar Level Transmitter**



Key features

- Compact design
- Marine Certified
- 4 - 20mA / HART / RS485 outputs
- Measurement range up to 27 Metres
- Operation -40 to +150 °C
- Liquids and solids measurement
- Accuracy +/- 3mm
- Power up Self-test diagnostics
- Automatic false echo suppression
- Certified I.S.

ATEX: TUV 16 ATEX 7986 X

IECEX: IECEX TUR 16.0064X

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

SPECIFICATION

Measurement Range: Up to 27 Metres

Microwave frequency: Pulse 26GHz

Measuring interval: ~1 second

Adjustment time: ~1 second

Accuracy: +/-3mm

3dB Beam Angle: DN80 Flange 12°

Process Temperature: -40 to +150°

C Storage Temperature: -40 to +100

°C Pressure: 40MPa Maximum

Relative Humidity: <95%

I.S. Approval: II 1G Ex ia T6...T3 Ga

Protection Class: IP67

Weight: Approx. 7Kg (DN80 Flange)

Power (2 wire HART): 21.6~26.4VDC

Power Consumption: Max 22.5mA

Output: 4-20mA/HART/RS485

Resolution of mA: 1.6µA

MATERIALS

Housing: SS316L Mo 2.8

Enclosure: SS316L Mo 2.8

Flange: SS316L Mo2.8

Process seal: PTFE

PROCESS CONNECTION

Standard: DN80

ELECTRICAL CONNECTION

Cable conduit: M20 x 1.5

WEIGHT

7Kg

