

# SC R8

Scanjet Radar - ScanRad



## KEY FEATURES

### SC R8

- Radar self-test during power up
- Stand alone microprocessor based transmitter
- Automatic false echo suppression
- Easy and Quick Setup
- Easy 2-wire connection
- Fully integrated with the Scanjet Surveyor system
- 80GHz frequency for best accuracy for all cargoes for best reliable reading and accuracy

#### Product Summary:

Scanjet high frequency 80 GHz radar, ScanRad, is a high performance instrument for measurement of level/ullage in tanks. The compact design ensures easy and flexible installation. Purpose developed software enables the user to filter any echoes from obstacles in the tank to ensure accurate reading. The high frequency ensure correct and reliable reading in deep tanks. The focused beam ensure that obstacles in the tanks will not interfere.

#### Typical applications for Scanjet Radar:

- Crude Oil Tankers
- Product Tankers
- Bitumen Carriers
- Chemical Tankers



ATEX(TUV Rheinland)

Supported by Scanjet worldwide service network

distributed and serviced by...

**Tank Cleaning Technologies, Inc.**

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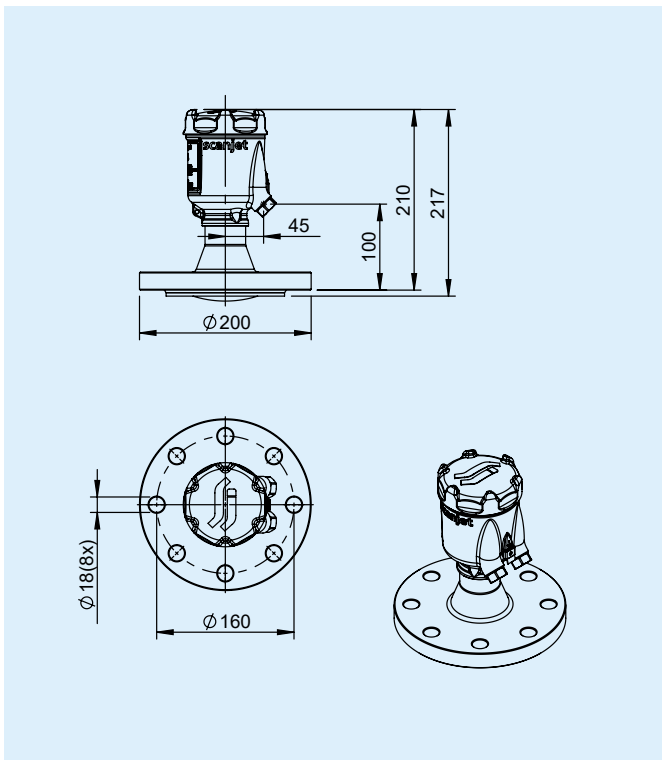
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## Dimensions



## Specifications

Measuring Range up to  
Microwave Frequency  
Accuracy  
3dB Beam Angle, Flange

30/45m  
80GHz Radar (FMCW)  
±2mm/ ±5mm  
DN80 3°

### Operating Temperature

Process Temperature  
Pressure  
Temp. for Storage/Transport  
Relative Humidity  
Intrinsic safety approval  
Protection Class  
Weight  
Power 2 wire HART  
Output Signal

- 40 ~ +80°C  
Max. 40MPa  
- 40 ~ + 100°C  
<95%  
II 1G Ex ia IIC T6...T3 Ga  
IP67  
Approx. 7 kg  
21,6 ~ 26,4 VDC  
DC 4-20mA./HART/RS 485

### Materials

Housing  
Enclosure Material  
Process connection

SS 316L (Mo 2.8)  
SS 316L (Mo 2.8)  
Flange DN 80, SS 316L  
Mo 2.8 PTFE

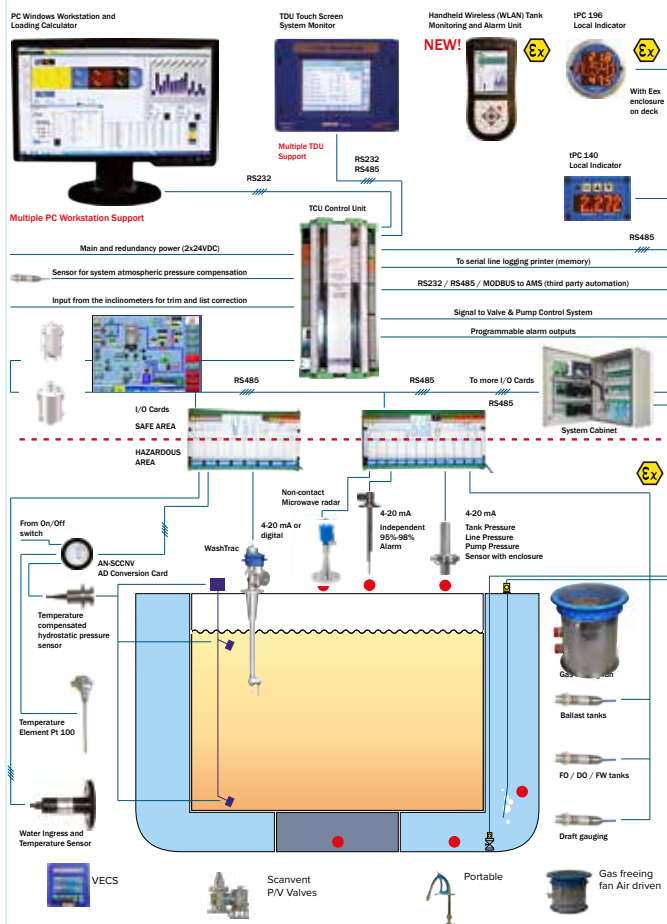
Process seal

### Connections

Cable Conduit:

M20 x 1.5

## Multipurpose monitoring & control system



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