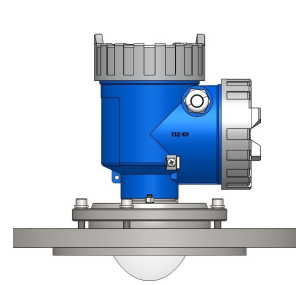


INTRODUCTION

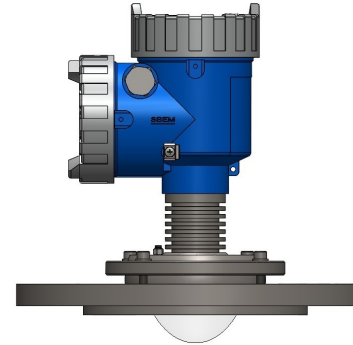
Introducing the ProWave80G Series, an advanced solution for precise level indication in both solids and liquids across diverse process applications. Operating at 80 GHz and utilizing Frequency Modulated Continuous Wave (FMCW) radar technology. The ProWave80G – W85 offers accuracy and reliability, with a maximum range of 60 meters. The ProWave80G – W85 is designed to support 2-wire applications, including 4 to 20mA and 4 to 20mA+HART communication protocol. It seamlessly integrates into existing systems without any major modification.

FEATURES & BENIFITS

- Accurate Level measurement: The high frequency of ProWave80G radar enables accurate distance measurement, making it ideal for applications such as distance sensing and object tracking.
- False echo suppression: False echo suppression improves the accuracy of radar measurements by filtering out unwanted signals that may cause inaccuracies.
- Narrow Beam Angle: Provides larger range and supports smaller diameter vessels. The interface in the installation environment has less impact on the instrument, making it easier to install and more suitable for mixing conditions.
- Display: A radar display provides real-time visualization of detected objects and their attributes, aiding in navigation, surveillance, and safety, enhancing situational awareness and decision-making.
- Aiming device: Accurate positioning of Radar (Solid Version) on tank.
- IP Rating: IP67 Ingress Protection for radar ensures it's sealed against dust, making it durable and reliable in outdoor and harsh environments, enhancing its longevity and performance.



Temperature: T85°C



Temperature: T200°C

INDUSTRIES

- Food Industry
- Thermal / Power
- Steel Plant
- Cement Plant

APPLICATIONS

- Water Management
- Silos and Bins
- Cooling Towers and Treatment Plants
- Coal & Coke
- Cement Silo & Coke Silo
- Coal Bunker
- Fly Ash Silo
- Iron ore Silo
- Sugar Bins
- Food Grains and Edible Oil Tanks

SPECIFICATION

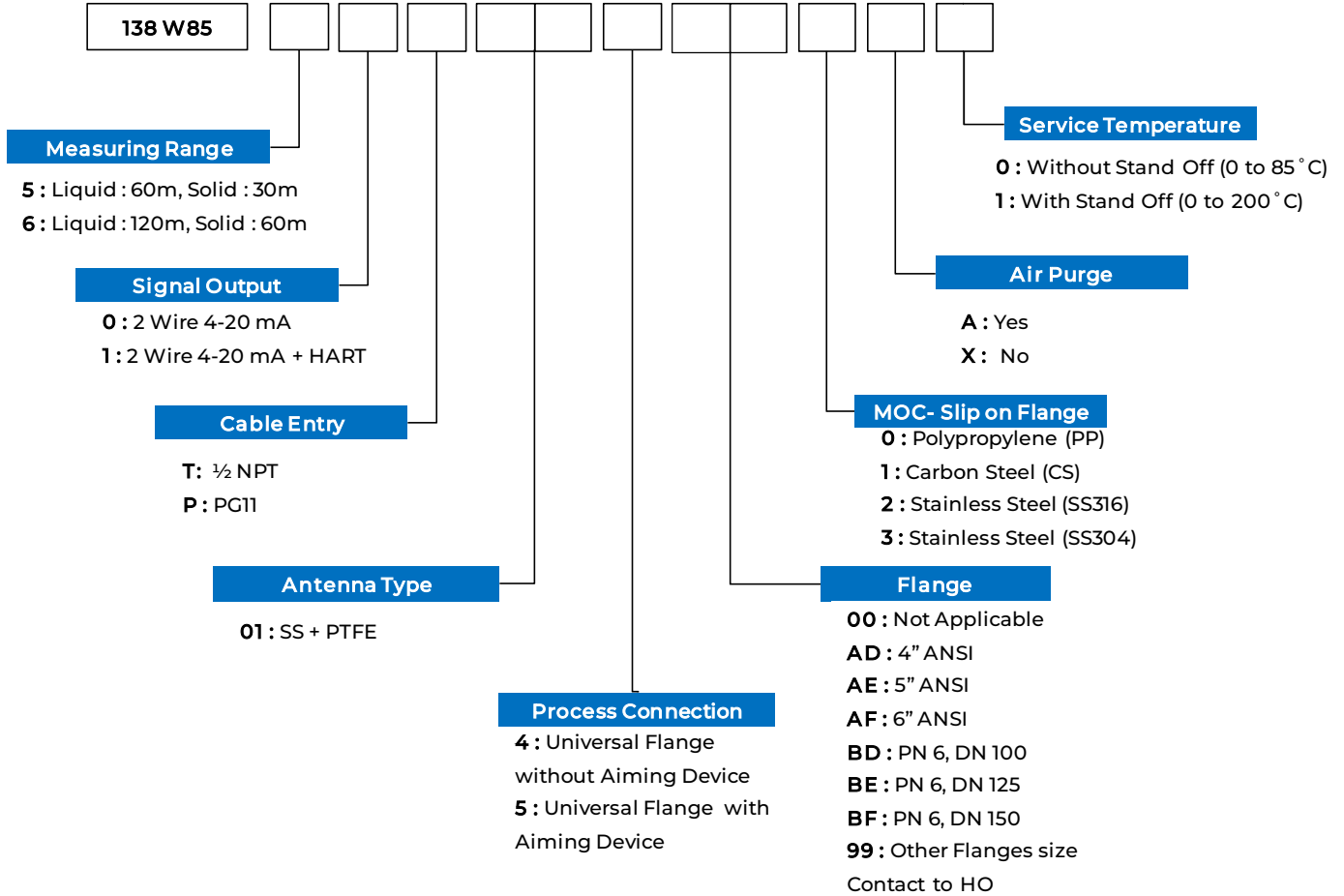
- Power Supply: 2 Wire 24 VDC
- Updating Interval: 2 Sec
- Application: Solid
- Measuring Ranges (m):
 - 1) Liquid 120m, Solid 60m
 - 2) Liquid 60m , Solid 30m
- Dead band (mm) : For Liquid 300 & Solid 800
- Beam Angle : 3°
- Accuracy : ±2mm*
- Installation method: Threaded & Flanged
- Analog Output : 2 Wire, 4-20mA @600Ω
- Digital Output : HART Communication (Optional)
- False echo suppression : Available

- Housing Enclosure : Aluminium
- Antenna Material : SS + PTFE
- Process Connection :
 - 1) Universal Flanged with Aiming Device
 - 2) Universal Flanged without Aiming Device

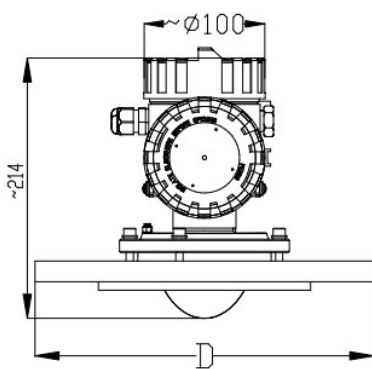
- Enclosure Protection class: IP67
- Cable Entry :
 - 1) PG11
 - 2) 1/2" NPT

Note: *Under Factory set condition

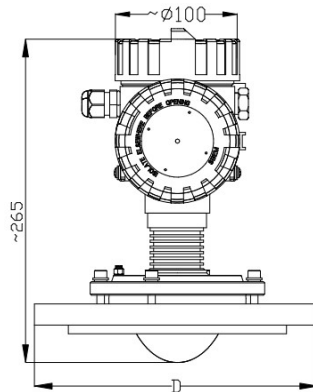
ORDERING CODE



MECHANICAL DIMENSIONS



Temperature T: 85°C



Temperature T: 200°C

Standard	Size of Flange	Flange ID	Flange OD	No of Holes
ANSI	4"	116	229	4
	5"	144	254	8
	6"	170.6	279.5	8
PN 6	DN 100	116	210	4
	DN 125	141.5	240	8
	DN 150	170.5	265	8

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