

## AiW-4120MP<sub>60</sub>

### W-band(EHF), 120 GHz Level/Hydrological Radar Gauge

#### Characteristics

- Non-contact W-band radar technology is characterized by a particularly high measurement accuracy. The measurement is not affected by changing medium properties or by changing process conditions such as temperature, pressure or intense dust generation. User-friendly adjustment without vessel filling and emptying saves time and the sensors are maintenance free.
- Industrial design concept, the appearance of the product fits In natural environment



#### Applications

- AiW-4120 Radar sensors are used for non-contact level measurement of liquids and bulk solids. They measure all kinds of liquids, even under high pressure and extreme temperatures, in solvents as well as aggressive liquids, they are also suitable for use in applications with stringent hygiene requirements.
- AiW-4120 can also measure the lightest to the heaviest of bulk solids with absolute reliability, even in the presence of dust and noise, without being affected by buildup or condensation. Suitable for liquids and bulk solids in simple process conditions.

#### Specifications

AiW product	AiW-4120MP60-R	AiW-4120MP60-A	AiW-4120MP60-H
Measuring Range	Up to 18 m (59.06 ft)	Up to 18 m (59.06 ft)	Up to 40 m (131.24 ft)
Beam Angle (α)	5°	5°	5°
Process Connection	Thread G2-1/4, G2-1/4 NPT	Thread G2-1/4, G2-1/4 NPT	Thread G2-1/4, G2-1/4 NPT
Meas. Frequency	120GHz technology	120GHz technology	120GHz technology
Sensor Material	POM / PVDF(option)	POM / PVDF(option)	POM / PVDF(option)
Housing Material	POM / PVDF(option)	POM / PVDF(option)	POM / PVDF(option)
Ingress Protection	IP68 (3 bar) acc. to IEC 60529	IP68 (3 bar) acc. to IEC 60529	IP68 (3 bar) acc. to IEC 60529
Ambient Temp.	-40 ... +80 °C	-40 ... +80 °C	-40 ... +80 °C
Process Temp.	-40 ... +80 °C	-40 ... +80 °C	-40 ... +80 °C
Operating Pressure	-1...+3 bar (-100...+300 KPa)	-1...+3 bar (-100...+300 KPa)	-1...+3 bar (-100...+300 KPa)
Power Supply	9 ~ 38 VDC	12 ~ 38 VDC	16 ~ 40 VDC
Accuracy	± 1 mm	± 1 mm	± 3 mm
Output	RS485, SDI-12, Modbus, Relay(option)	Two wire 4-20 mA only	Two wire 4-20mA / HART7
Display/adjustment	CHINASIMBA Tools app, Radar MobileManager and Radar PCManager (PC software)		
No. of cable entries	1 PVC Insulated cable		
Bluetooth Standard	Bluetooth 5.0 (downward compatible to Bluetooth 4.0 LE), range 40 m (131.24 ft)		
Standard Lead-time	4 to 5 weeks ( for standard type )		

SERVICE CONTACT: 86-13799977915, 86-18965063391(TECHNICAL SUPPORT), 86-18106067295(AFTER SALE SERVICE)  
 ALTHOUGH WE HAVE RECONCILED THE CONTENTS OF THE MANUAL WITH DESCRIPTION OF INSTRUMENT, THERE MAY STILL BE CHANGES WE CANNOT ENSURE THAT IT IS FULLY CONSISTENT. THE CONTENT WILL BE CHECKED AND CORRECTED IN AN ORDERLY, AND THE ERRATA WILL BE IN SUBSEQUENT RELEASES. WE WELCOME USERS TO MAKE VARIOUS SUGGESTIONS FOR IMPROVEMENT. [TECHNICAL DATA SUBJECT TO CHANGE]

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## AiW-4120 产品结构安装图(Dimensions):

