CHINASIMBA

ELECTRONIC OEM SUPPLIER, SUBSIDIARY OF ANLYSUN

TEL: (86)591-83850480/1
FAX: (86)591-83850481
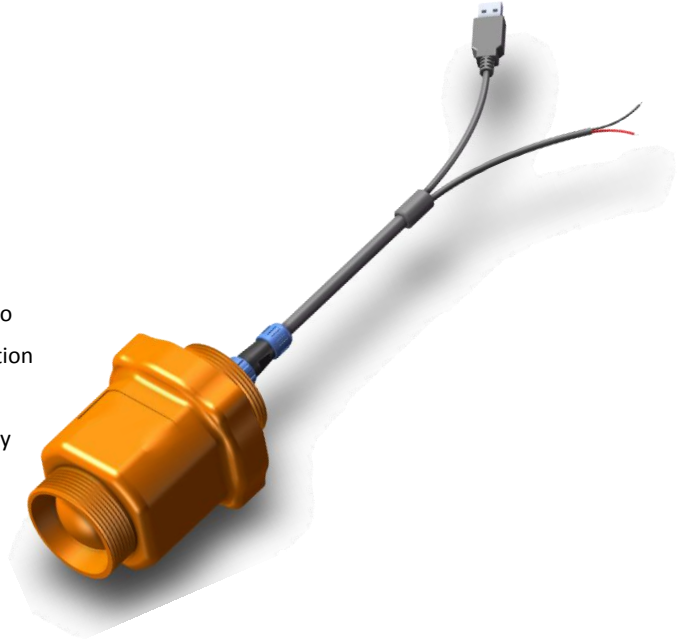EMAIL: master@anlysun.com
www.chinasimba.com

AiW-3648MB *from smart level monitoring to supply chain management*

80 GHz, a cloud connected radar level/hydrological sensor
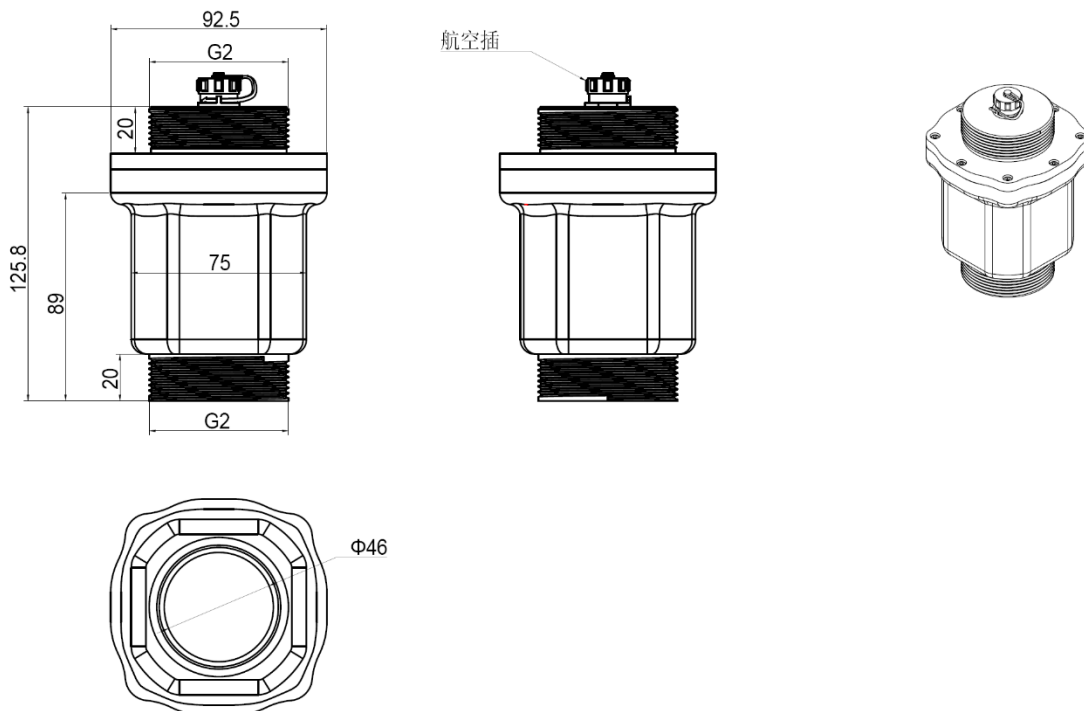
Benefits

- Full transparency in storage and transportation of liquids and solids
- Simplified solution from procurement to operations
- Secure data transmission combined with a flexible, digital service portfolio
- Economical IIoT solutions transfer level information to the cloud Information access from everywhere at any time
- Easy installation thanks to long-life battery supply and wireless technology
- Exact measuring results, independent of medium as well as process and ambient conditions
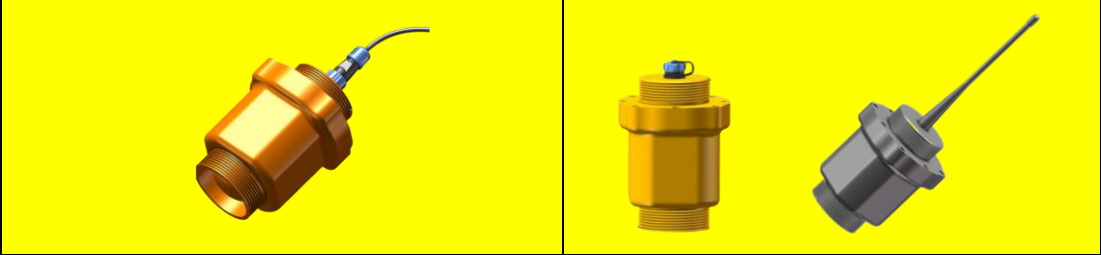
Applications

- Continuous simplicity from scratch. Our IIoT radar is a smart level transmitter with high-end technology in a cost-effective sensor.
- Together with the digital services Aliyun supET / Netilion etc., the wireless and battery powered level sensor, ensures reliable and remote level monitoring.
- The secure and certified solution provides access to information on asset and inventory status from everywhere at any time.
- Applications in all industries, mobile and stationary storage tanks

Dimensions:

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Specifications

AiW-3648/3648MB

Product No	AiW-3648-R	AiW-3648-A	AiW-3648MB
Installation method	Threaded / Mounting bracket wall/ceiling		
Appearance Picture			
Parameter			
Measuring Frequency	77 to 80GHz Dynamic FM Sweep Bandwidth 3GHz (The adjustment FM range can be customized according to the ISM requirements of the customer's region)		
Instrument Range	18m		
Dead Band	<60mm		
Meas. Principle	FMCW Radar System		
Meas. Resolution	0.5mm		
Meas. Accuracy	±2mm		
Temperature Coefficient	±5ppm/°C		
Antenna Sensor Material	PVDF {The antenna is integrated with the housing}		
Beam Angle(α)	<6.5°/ Gain 23dB		
Output	RS-485	4-20mA	RS-485 /or Mobile connectivity with NB-IoT, LTE-M or 4G/5G
Power Supply	12-30 V DC		Battery powered: 5.0V Rechargeable lithium battery The amount of time a charge can last to run: 20Days~5years (Depends on the intermittent measuring cycle) *For more information, see Manu Measurement cycle items
Process Connection	G2 { Upper threaed G2 or Bracket mounted }		
Process Temperature	*-40 … +85 °C*		
Ambient Temperature	-40 … +85 °C		
Operating Pressure	*-300 to +300 KPa*		
Display/Adjustment	Software system: PCManager, MobileManager		
Bluetooth Standard	Bluetooth 4.0		
Bluetooth Range	25m		
Output & Protocol	ModBus	4-20mA	ModBus
Fault mA Output	**	22mA/4mA/20.5mA (option)	**
Live Display	Mobile / iPad / PC		
Housing Material	PVDF {The antenna is integrated with the housing}		
No.of Cable Entries	1 PVC Insulated cable (Aviation connectors)		
Explosion-proof grade	***	Exia	***
Ingress Protection / CE	IP68 / CE		
Package Dimensions	267mm x 97mm x 97mm		
Benefits / Application	Liquid/Solid application, Information access from everywhere at any time. The cloud connected radar level sensor from smart level monitoring to supply chain management		