

AiW-4110

A low cost hydrological radar level transmitter based on planar array water level sensor technology. A burger shape and compact radar for water measurement. Wireless connectivity of Bluetooth or Wi-Fi on mobile.

Fully enclosed IP68 waterproof protection with bubble level and lightning protection.

Not affected by water drop, cobweb, dust in the wild.

Very easy to be installed by universal joint bracket to fit in various conditions in the wild or process monitoring.



Technical Specifications

Frequency	26.0 GHz \pm 250 MHz RF power < 10 uW
Measuring Range	0.3 to 35 m
Accuracy	\pm 5 mm
Beam Angle	10°
Antenna	Planar array, POM / PTFE
Communication	RS485 Modbus / Bluetooth PLC / all RTU manufacturers' protocols
Signal Output	RS485
Operating Temperature	-55 to 85 °C
Operating Pressure	860 to 1060 mbar(12.47 to 15.37 psi)
Power Supply	four-wire, 6 to 38 VDC (< 0.08W)
Configuration Tools	PC software Bluetooth or Wi-Fi with APP or WeChat mini program
Process Connection	M6, universal joint bracket mounting
Electrical Connector	M12, 4 pin aviation connector
Housing Material	Anodized aluminum
Protection	IP67 / IP68
Dimensions	126 mm x 126 mm x 45 mm

Notes

Support for extended features of one relay alarm output (250VAC/5A) or 4-20mA output.

Support for extended features of radar angle signals, ambient temperature, and altitude outputs.

Support for extended features of GPRS or IoT connections.

Support for customized protocols.

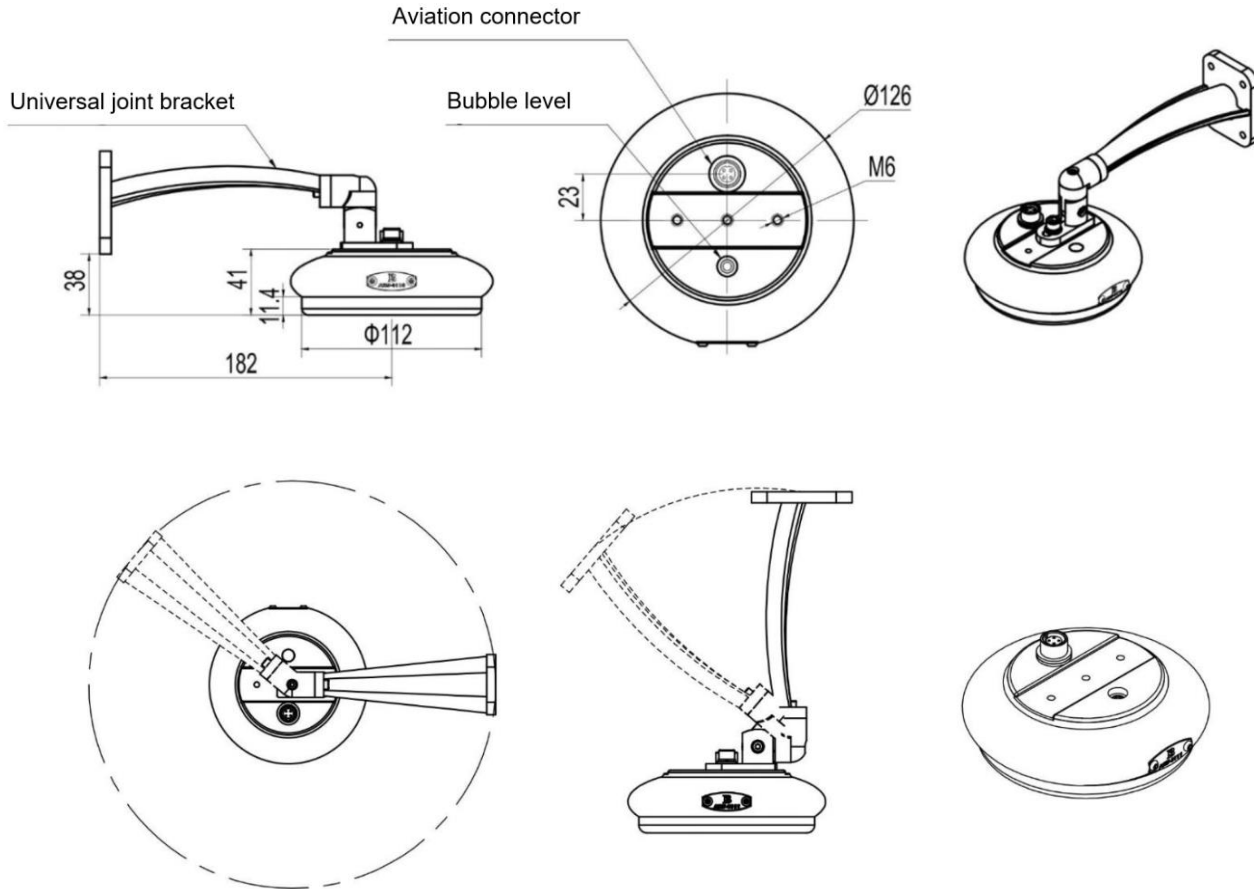
*Built-in professional hydrological echo algorithms
Compact structure, remote monitoring
Lower consumption, faster response time*



Typical Applications

- Open-channel
- Rivers and lakes
- Tides
- City manhole cover
- Wastewater treatment
- Dams
- River channel
- Agricultural irrigation

Dimensions



Connections

1 – RED	2 – YELLOW	3 – BLUE	4 – GREEN
V+	V-	RS485 – A	RS485 – B

Ordering Code

AiW-4110	1	2	3	4	Description
	S	RS485 with Modbus			
	H	4-20mA with HART			
	T	IoT			
	G	RTU & GPRS			
		BT	Bluetooth		
		WF	Wi-Fi		
			Y	One Relay Alarm Output	
			N	None	
			NL	POM	
			PT	PTFE	

typical product number
AiW-4110-S-BT-N-NL