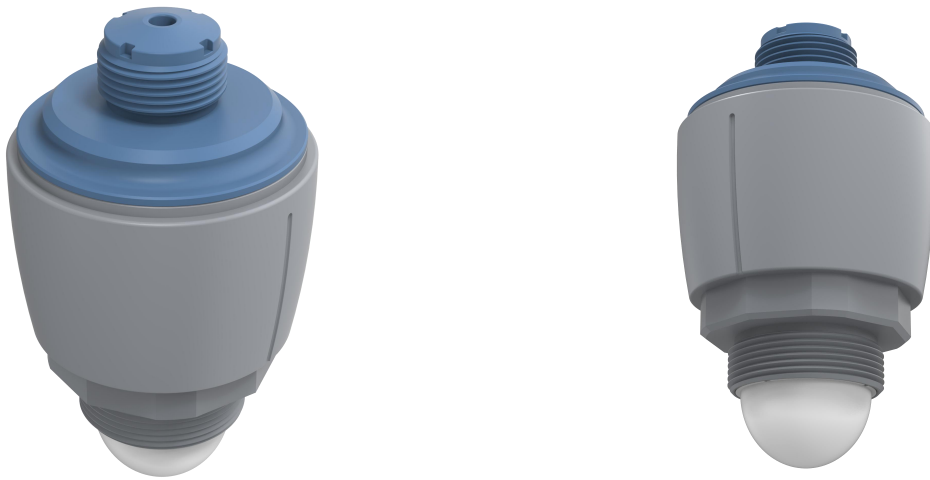




AFL-R80E

80GHz Radar Level Transmitter

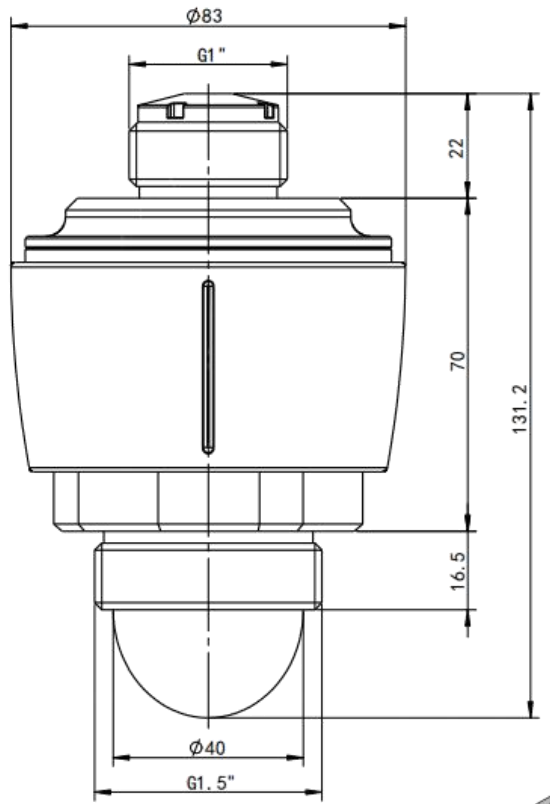


The AFL-R80E is the ideal sensor for non-contact level measurement in simple applications. Weight only 400g. It is particularly suitable for open channel application: water/wastewater field, rain basins, flume, dam level monitoring. Meanwhile the sensors could be applied on some liquid tanks or containers.

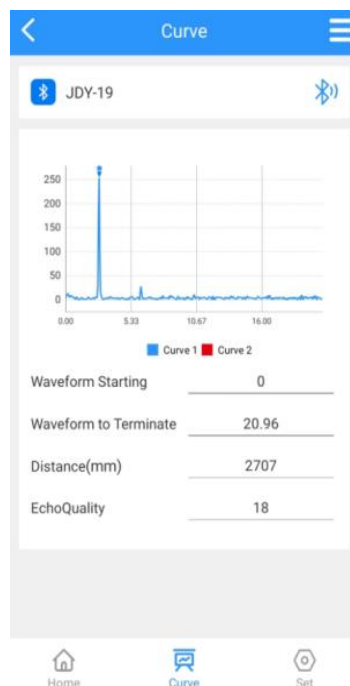
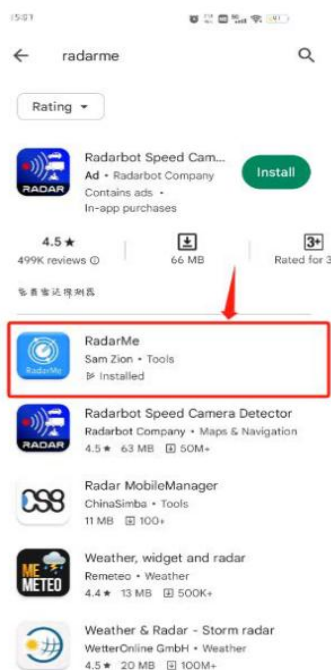
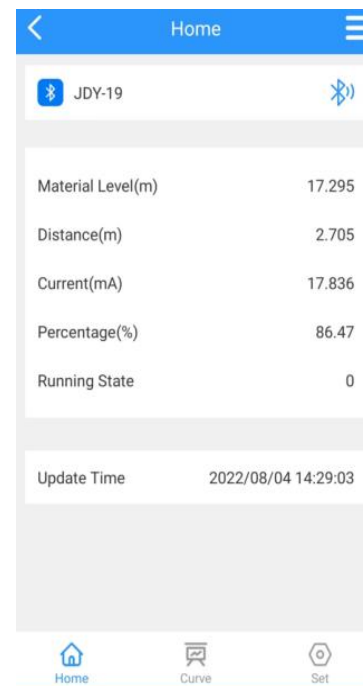
- * High frequency: 80GHz, more focus
- * Accuracy: ± 2 mm(liquid)
- * Measuring range: up to 30m
- * Small emitting angle: $\pm 3.5^\circ$
- * Thread connection: G1.5, customized flange



Dimension



Mobile App: RadarMe

RadarMe App Interface (Home View):

Parameter	Value
Material Level(m)	17.295
Distance(m)	2.705
Current(mA)	17.836
Percentage(%)	86.47
Running State	0
Update Time	2022/08/04 14:29:03

Specification



Model	AFL-R80E
Product Type	FMCW Radar Level Transmitter
Application	*Open channel water measurement *Standard liquid measurement
Frequency	77Ghz-81Ghz
Measurement Range	Liquid: 10M 20M 30M
Accuracy	±2mm
Beam Angle	±3.5°
Material	PP (polypropylene)
Process Connection	G1.5 Thread and flange (customized)
Process Temperature	-30°C to 80°C
Process Pressure	Normal atmospheric pressure
Signal output	4-20mA / RS485/ Bluetooth/HART
Power	Two-wire DC 24V (22V~30V)
Protection	IP67 /IP68
Weight	83mm*128mm, weight 400g



AFL-R80 Model Selection

AFL-R80E 80GHz Radar Level Transmitter (PP housing, no display)

Code		Medium Type						
2		Two-Wire						
		Code	Measuring Range(m)					
		0.2~30	10	20	30			
			Code	Connection				
			G	G Thread				
			F	Flange				
			Code	Temperature				
			N	-30-80°C				
						Code	Electronics	
						T	4-20mA	
						M	Modbus	
						B	Bluetooth wireless	
							Code	Protection
							P	IP67
							Code	Cable Length
							1-20	1 2 5 10
AFL-R80E	2	10	G	N	M	TMB	P	10