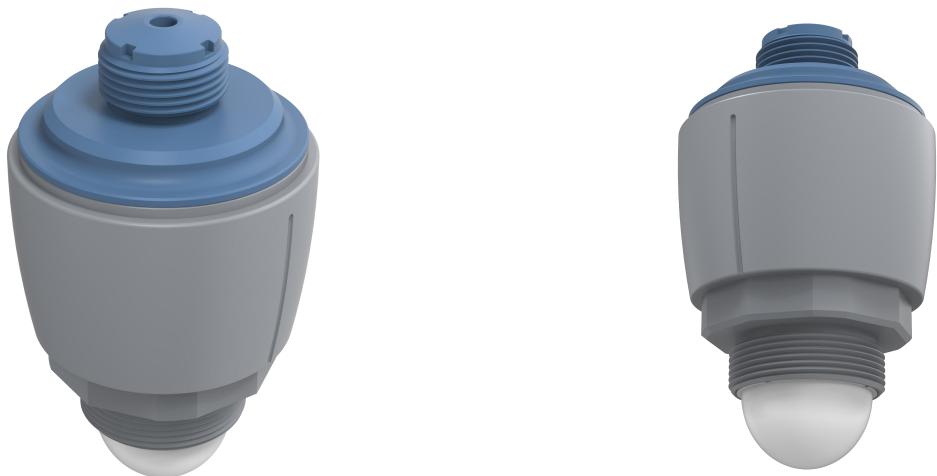

AFL-R80E

80GHz Radar Level Transmitter

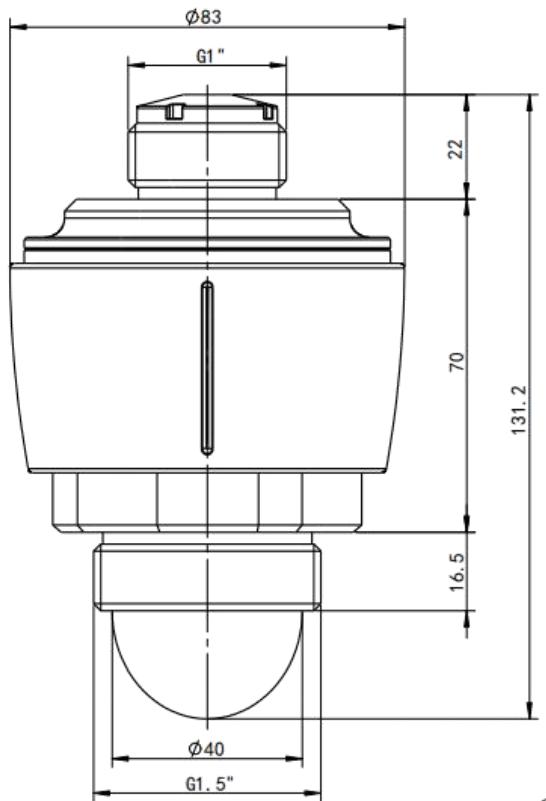


The AFL-R80E is the ideal sensor for non-contact level measurement in simple applications. Weight only 400g. It is particularly suitable for open channel application: water/wastewater field, rain basins, flume, dam level monitoring. Meanwhile the sensors could be applied on some liquid tanks or containers.

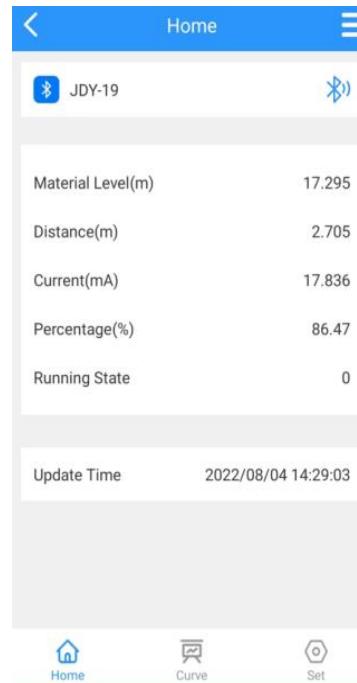
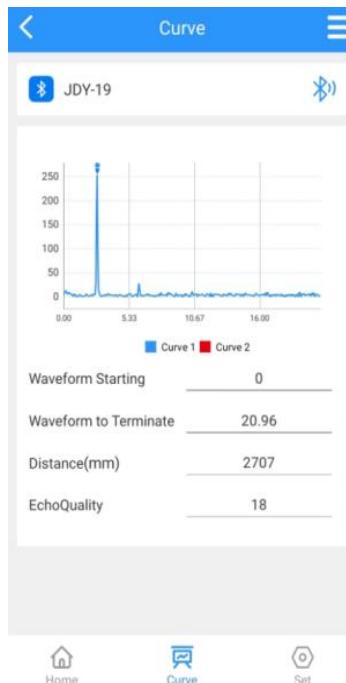
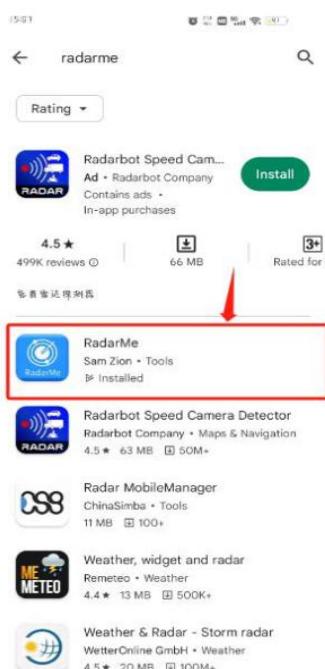
- * High frequency: 80GHz, more focus
- * Accuracy: ± 2 mm(liquid)
- * Measuring range: up to 30m
- * Small emitting angle: $\pm 3.5^\circ$
- * Thread connection: G1.5, customized flange



Dimension



Mobile App: RadarMe



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