



陕西声科电子科技有限公司
SHAANXI SHENGKE ELECTRONIC TECHNOLOGY CO.,LTD
TEL: +86 18729098936 FAX: 029-88858601
E-mail:sales@skgauge.com <https://www.skgauge.com/>

SK-R800E

80GHz Radar Level Transmitter

OEM / ODM



The SK-R800E is the ideal sensor for non-contact level measurement in simple applications. Weights only 500g. It is particularly suitable for open channel application: water/wastewater field, rain basins, flume, dam level monitoring.



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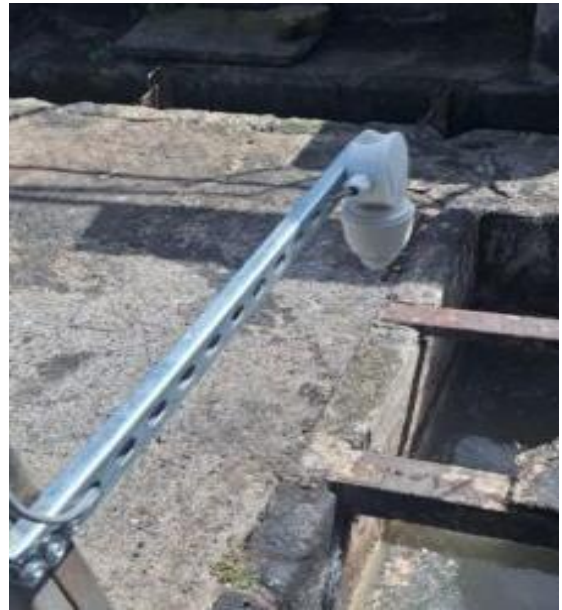
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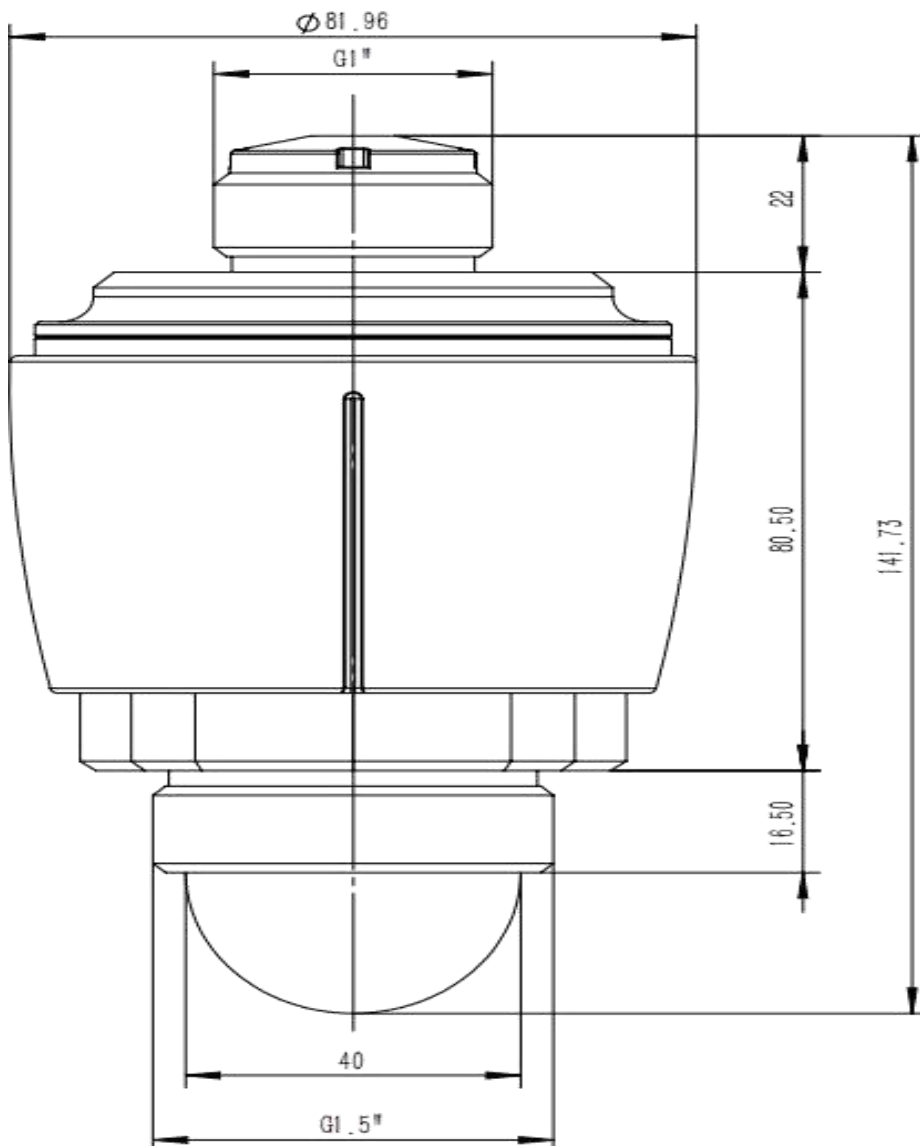
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- * High frequency: 80GHz, best signal
- * Accuracy: ± 2 mm(liquid)
- * Measuring range: up to 30m
- * Small emitting angle: $\pm 3.5^\circ$
- * Thread: G1.5", flange can be customized.
- * Power consumption: 96-576mW.



Dimension





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Mobile App : RadarMe

The image shows a hand holding a smartphone displaying the RadarMe app interface. The app is titled 'Home page' and shows a list of sensor data for 'JDY-19'. The data includes Material level(m), Distance(m), Current(mA), Percentage(%), and Running state. The update time is 2024/12/23 15:56:45. The background features the SKE logo and a stylized radar icon.

SKE

RadarMe

Home page

JDY-19

Material level(m)	0.000
Distance(m)	0.000
Current(mA)	0.000
Percentage(%)	00.00
Running state	0

Update time 2024/12/23 15:56:45

Home page Curve Set up

GET IT ON Google play

Available on the App Store



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Specification

Model	SK-R800E
Product Type	FMCW Radar Level Transmitter
Application	* Open channel water measurement * Standard liquid measurement
Frequency	76Ghz - 81Ghz
Measurement Range	Liquid: 10M 20M 30M
Accuracy	±2mm
Beam Angle	±3.5°
Material	GFPP
Process Connection	G1.5 Thread and flange (customized)
Process Temperature	-20°C to 60°C
Process Pressure	Normal atmospheric pressure
Signal output	4-20mA / RS485/ Bluetooth
Power	Two-wire DC 24V
Protection	IP67
Weight	83mm*128mm, weight 500g



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Technical parameter

Working Principle	FMCW
Working frequency band	76-81GHz
Power supply	Two-wire DC 24V (22V~30V)
Signal output	4~20mA
Applications	Water treatment, open-channel, river, lake, lift-stations...
Range	0~30m
Communication	<u>Modbus</u> /Bluetooth
Bluetooth parameters	BLE5.1
Output signal	Rs-485
Ambient temperature	-25℃~+60℃
Storage temperature	-40℃~+70℃
Ambient humidity	(0%~95%) RH
Process pressure	-1~3ba
Sizes	φ83mm×127mm
Mounting thread	G1.5"
0Accuracy	±0.02%FS
Migration(Offset)	±9.9m
Display	No display module, mobile phone APP - " <u>RadarMe</u> "
Beam Angle	±4°
Lens	PP
Debugging Methods	Mobile App (connect via Bluetooth), PC programme
Standard Accessories	1 m connecting cable
Optional Accessories	Mounting bracket/Mounting nuts
Protection	IP67
Sealing material	FKM
Housing	GFPP



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SK-R800E Model Selection

SK-R800 80GHz Radar Level Transmitter (GFPP housing, no display)

Code		Medium Type						
E		Water/Liquid						
		Code		Measuring Range(m)				
0.2~30		10	20	30				
		Code		Connection				
		G		G’’ Thread				
		F		Flange				
		Code		Temperature				
		N		-20-60℃				
		Code		Electronics				
		T		4-20mA				
		M		Modbus				
		B		Bluetooth wireless				
		Code		Protection				
		P		IP67				
		Code		Cable Length				
		1-10		1 2 5 10				
SK-R800	E	10	G	N	TMB	P	1	