



1. SK-R800NS 80GHz Radar Level Transmitter (Aluminum Housing)

The SK-R800NS model is an 80GHz FMCW radar transmitter for continuous level measurement of various solids & some liquids like stockpile, grain silos, powder and granule storage tanks or hoppers for solids, cement, coal, and other dusty bulk material silos, wastewater / sludge-adjacent solids, powder containers etc.

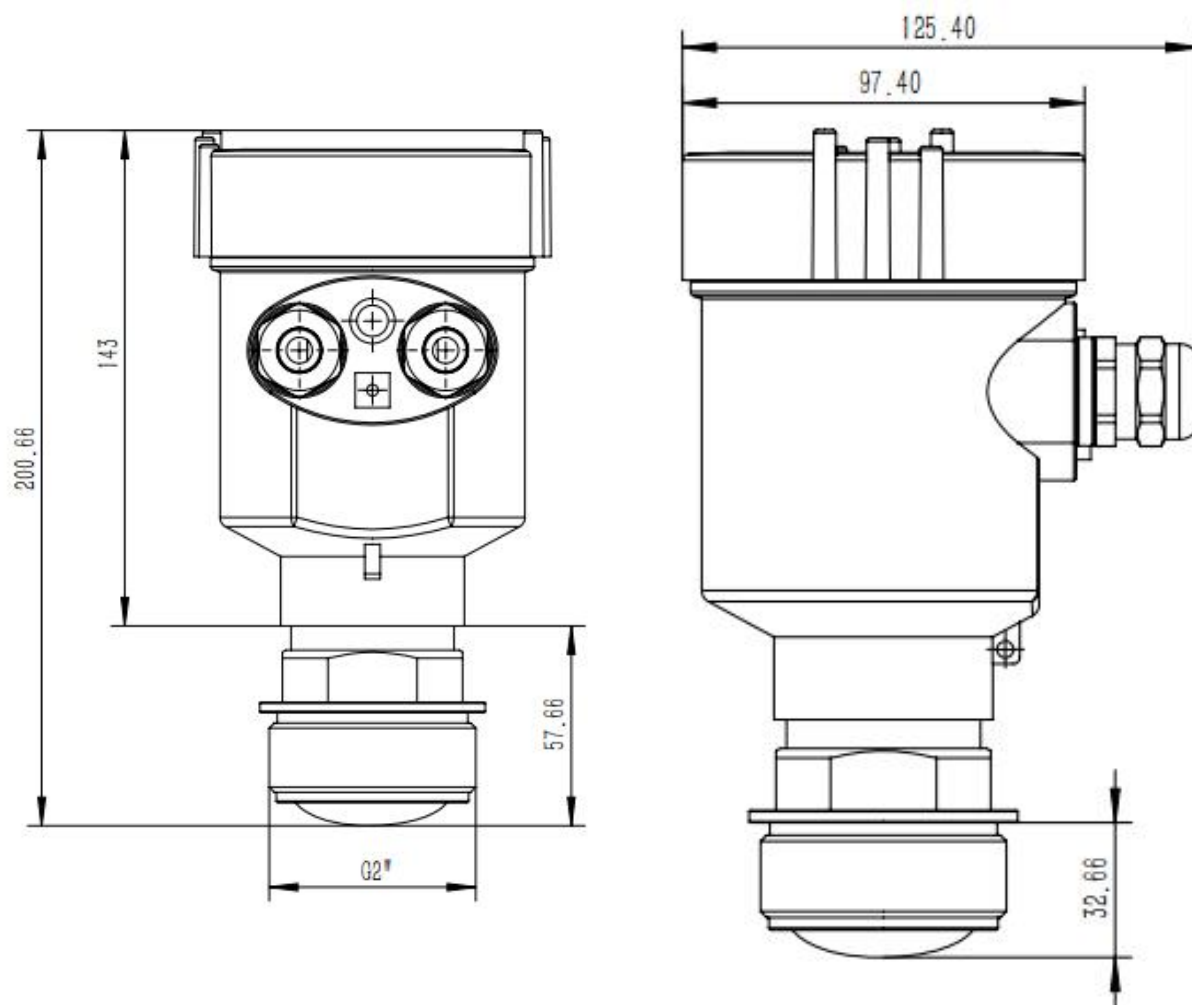
- * High frequency: 80GHz, signal is more focused and concentrated.
- * Accuracy: ± 2 mm
- * PTFE sealed antenna, will not affected by temperature, condensate water etc.
- * Beam angle: $\pm 2.9^\circ$ (G2").
- * G2" thread connection, customized thread/flange available.





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

Sizes:





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Specification:

Model	SK-R800NS Level Sensor
Product Type	FMCW Radar Level Transmitter
Application	* Stockpile, grain silos * Powder and granule storage tanks/ hoppers * Cement, coal, and other dusty bulk material silos * wastewater storage tanks
Frequency	77GHz-81GHz
Measurement Range	10M 20M 30M 50M
Accuracy	±2mm
Beam Angle	±2.9° (G2")
Antenna Material	SS 304/Sealed PTFE
Process Connection	G2" Thread; Thread and flange customization can be fulfilled
Process Temperature	-30°C to 80°C
Environmental pressure	Normal atmospheric pressure
Signal output	4-20mA/RS485(Mod-bus - RTU)/ HART(optional)/ Bluetooth (optional)
Display	Sensor display screen, Bluetooth (optional)
Power	Two-wire DC 24V (18V~36V)
Explosion-proof	Exd II CT6Gb
Sizes:	97mm x 201mm Net weight: 2kgs.
Protection	IP67



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TEL: +86 15117154248

FAX: 029-88858601

E-mail:sales02@skgauge.com

http://www.skgauge.com

SK-R800NS Model Selection

SK-R800	80GHz Radar Level Transmitter (Aluminum housing, with display)									
Code		Medium Type								
N/S		Liquid/Solids								
		Code		Measuring Range(m)						
		0.2~60		10	20	30	50			
				Code		Connection				
				G		G” Thread (1.5”)				
				F		Flange				
				Code		Temperature				
				N		-30...80℃				
				Code		Cable entry				
				M/N		M20×1.5(F) / 1/2NPT				
				Code		Electronics				
				T		Two-wire 4...20mA				
				M		Mod-bus				
				H		HART (Optional)				
				B		Bluetooth(Optional)				
				Code		Protection				
				P		IP67				
				Code		Explosion-proof				
				E		Ex db ia IIC T6 Gb				
SK-R800	S	10	G	N	M	TMHB	P	E		