

GUIDED WAVE RADAR	PULSE RADAR
	
MEASUREMENT PRINCIPLE	
High-Frequency Radar Impulses	Microwave Pulse
CONTACT TYPE	
Contact Measurement	Non-Contact Measurement
ENVIRONMENTAL AND APPLICATION CONDITIONS	
Extreme Temperature and Pressure Do Not Effect Device Performance	Air Space Determines Measurement Accuracy (not ideal for extremely difficult applications)
MOUNTING	
Top Mounted(not ideal if there is a mixer or other obstacle in the tank)	Top Mounted
COST	
Moderately Priced	Cost-Effective
OVERALL PERFORMANCE	
EXCEPTIONAL Performs Well Independent of Process Conditions	Acceptable Performance is Based On Strength of Reflection and Surface Conditions
TYPICAL APPLICATIONS	
Paint, latex, animal fat, soy bean oil, saw dust, carbon black, titanium tetrachloride, salt, and grain to name a few.	Corrosive or non-corrosive liquid level monitoring, sanitary environments, caustics, small tank or process vessel, silos, and tote tanks.

WHAT WE HAVE?

1. Guide Wave Radar Level Sensor

	HR681	HR682	HR683	HR684	HR685
					
Model	HR681	HR682	HR683	HR684	HR685
Application	Liquid and solid powder measure, complicated process conditions	Acids, bases or other corrosive media	Cement silo powder measure; Ash powder measure	Measuring deionized water, deoxygenated water and other liquids	Sealed cans, greater pressure liquid mea- surement
Measurement Span	0-30m	0-20m	0-30m	0-6m	0-15m
Process Connection	Flange(optional) / Thread	Flange(optional) / Thread	Flange(optional) / Thread	Flange(optional) / Thread	Flange(optional) / Thread
Medium Temperature	- 40 ~ 250 °C	- 40 ~ 200 °C	- 40 ~ 150 °C	- 40 ~ 250 °C	- 200 ~ 400 °C
Process Pressure	- 0.1-4 MPa	- 0.1-4 MPa	- 0.1-4 MPa	- 0.1-4 MPa	- 0.1-40 MPa
Accuracy	±10mm	±10mm	±10mm	±10mm	±10mm