

# ZAXPULS H81-All-Round Radar



Application	Measurement Of Liquid, Solid
Measuring Range	0~120m
Antenna Type	Lens/PTFE
Installation method	Thread/Flange/Clamp/Bracket
Beam angle	3°/8°
Response Time	< 0.6s (Or User Defined)
Medium Temperature	(-40~200) °C
DK Value of Medium	> 1.5
Process Pressure	(-0.1~2) MPa
Accuracy	< 2mm
Signal Output	(4~20) mA HART, RS485 MODBUS-RTU
Working Frequency	(76~81) GHz
Protection Grade	IP68
Explosion-Proof Grade	Ex db ia IIC T6 Gb;Ex tb IIIC T80°C Db



Specification	Code	Parameters			
Instrument Type	S	Standard	I	Intrinsically Safe	
	F	Flameproof	D	Dust Ignition-Proof	
Housing/Protection	A	Aluminum Alloy/IP68			
	AD	Aluminum Alloy Dual Chamber/IP67			
	SS	316L Stainless Steel/IP68			
	P	Plastic/IP66			
Material	4	SS304	6	SS316	K PTFE
Antenna Type	L	Lens Type(0-120°C)	AC	Anti Corrosion Type	
	H	High Temperature (0-200°C)			
Process Connection	G4	Thread G 1.0	N4	Thread NPT 1.0	
	G6	Thread G 1-½	N6	Thread NPT 1-½	
	G8	Thread G 2.0	N8	Thread NPT 2.0	
	GE	Thread G 3-½	NE	Thread NPT 3½	
	F XX	SS Flange DN50/80/100/125/150...			
	P XX	PTFE Lining Flange DN50/80/100/125/150...			
	S XX	Swiveling Flange DN80 /100/125/150...with Air Purge			
	B	Bracket			
Z	User Defined				
Electronic Unit	2C	2 Wires (4~20) mA 24V DC/HART			
	4A	4 Wires (4~20) mA 220V AC			
	CR	4 Wires RS485 MODBUS-RTU+(4~20)mA			
	R	4 Wires RS485 MODBUS-RTU			
	4C	4 Wires (4~20) mA 24V DC			
	Z	Customized			
Cable Inlet	M	M20*1.5	N	NPT 1/2	
Material Type	L	Liquid	S	Soild	P Powder
Measuring Range	1	(0~10) m	2	(0~20) m	
	3	(0~30) m	6	(0~60) m	12 (0~120) m