

80G Radar Level Transmitter

GaMicos

GLT741

PRODUCT OVERVIEW

80G radar level transmitter refers to frequency-modulated continuous-wave (FMCW) radar series operating at 76-81GHz, supporting four-wire and two-wire system. It is a kind of high accuracy level measurement instrument, it is suitable for various liquids and material, including the following special applications like volatile, easy to crystallize, easy to corrode, high temperature and pressure, etc.

CHARACTERISTICS

High accuracy: Using advanced radar technology, it can realize high accuracy level measurement, and the margin of error is in millimeters.

Wide working range : suitable for liquid level measurement of various liquids, including special working conditions such as high temperature, high pressure, volatile, easy to crystallize and easy to corrode, etc.

High reliability: Using advanced signal processing algorithm and anti-interference technology, it can effectively resist external interference and improve the reliability and stability of measurement.

Easy to install and maintenance : 80G radar level transmitter uses non contact measurement principle, no need to touch measured medium directly, easy to install and maintenance.

High durability : The 80G radar level gauge is made of high-strength materials, has good corrosion resistance and shock resistance, and can work stably for a long time in harsh environment.

APPLICATION

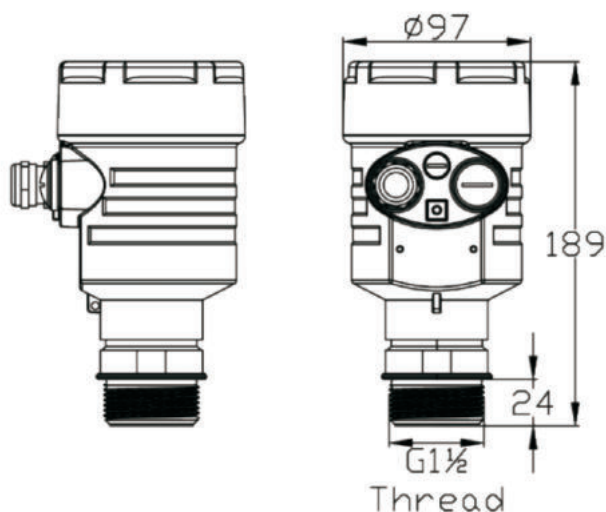
- Petrochemical
- Sewage treatment
- Food and medicine
- Rivers and lakes
- Fuel tank



TECHNICAL PARAMETERS

Frequency	76GHz~81GHz
Measurement range	0 m ~20m
Accuracy	±1mm
Beam angle	3°
Dielectric constant	≥2
Power supply	15~28.0VDC, 2-wire
Signal output	4~20mA
Fault output	3.8mA, 4mA, 20mA, 21mA, keep the same output when fault occurs
Field Operations/programming	128×64 Dot matrix display/4 buttons Configurable host computer setting software
Working temperature/humidity	-40~85°C/≤95%RH
Housing shell material	Aluminum alloy
Antenna type	Lens antenna
Process pressure	-0.1~20MPa
Product dimension	Ø100*270mm
Electrical interface	M20*1.5
Recommended wire	AWG18 or 0.75mm ²
Protection grade	IP68
Explosion-proof grade	ExdialICT6
Installation method	Thread or flange
Net weight/gross weight	2.480Kg/2.995Kg
Box size	370*270*180mm

DIMENSION



GLT741	Pressure transmitter								
	Code	Sensor type							
	P	Standard							
	F	Explosion type							
		Code	Housing shell/Protection grade P68						
		L	Aluminum alloy/IP68						
		G	Aluminum alloy, double chamber/IP67						
		Y	Special needs						
			Code	Antenna type					
			1	c/PTFE G1.5					
			2	Len antenna/PTFE G3.5					
			3	Anti-corrosion type					
				Code	Process interface				
				F	Thread G1.5				
				B	Flange DN80 PN10				
				C	Flange DN100 PN10				
				Y	Special needs				
					Code	Electronic unit			
					2	Two-wire (4~20)mA 24VDC/HART			
					3	Four-wire (4~20)mA 220V AC			
					Y	Special needs			
						Code	Electrical interface		
						M	M20*1.5		
						N	NPT1/2		
							Code	Range	
							Z	0-10m	
							H	0-20m	
								Code	Material
								L	Liquids
GLT741	0/5MPa	G	T2	V1	A1	B2			