

Radar Level Transmitter Model: ZJX-PA-M-A5



PRODUCT FEATURES AND APPLICATION FIELDS

Description:

The ZJX-PA-M-A5 radar liquid level transmitter adopts frequency modulated continuous wave technology (FMCW). The transmitted radar signal is reflected by the measured medium, and the frequency difference between the transmitted and received signal is obtained through fast Fourier transform (FFT) to obtain the spectrum of the reflected echo. Finally, the distance of the measured object is obtained.

Features:

Comprehensive applicability, capable of measuring liquids, solids, gases, and dust media under harsh conditions

Non contact measurement, unaffected by high temperature, high pressure, and corrosive environments

Multiple structures and electrical designs can meet the needs of different users' on-site working conditions

Local display, remote monitoring

Advantages:

The maximum measurement accuracy can reach $\pm 2\text{mm}$, and the minimum blind spot for measurement is 0.05m

Wide measurement range, small emission angle, and small blind spot error, Strong anti-interference

Strong energy concentration and penetration, strong echo signal, fast response speed

High signal-to-noise ratio, wide dynamic signal range, and more stable measurement of low dielectric constant media

Support OEM/ODM customization

Application:

Oil and gas, environmental protection, chemical industry

Food, pharmaceutical

Automation control and detection system

Paper making, textile

Steel, Metallurgy, Printing

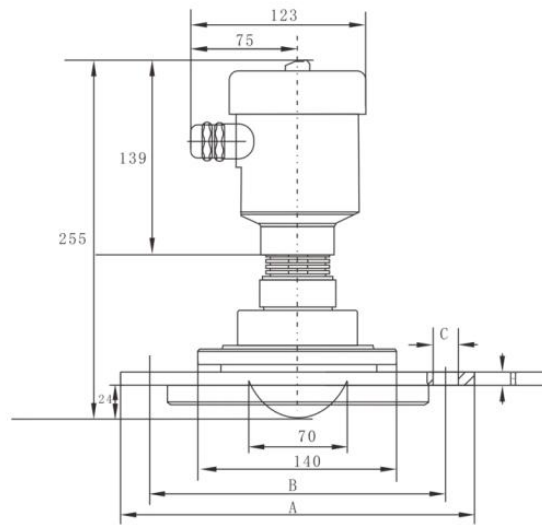
Electricity, water conservancy, semiconductor

Coal, cement

PRODUCT PARAMETERS

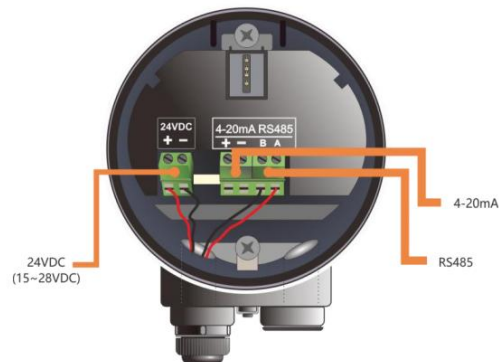
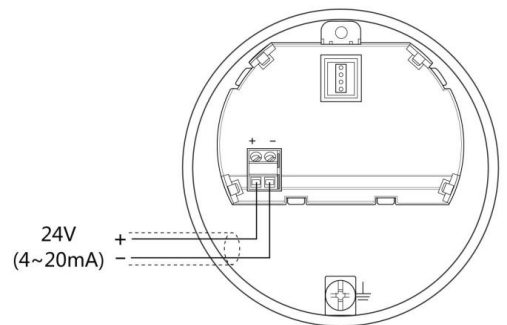
Measuring Range	0.08 ~ 120m
Process Pressure	-0.1~2.5MPa
Process Temperature	-40~200℃
Process Connection	DN50, DN80, 1/2NPT, Customizable
Output/Communication	4-20mA, 4-20mA+Hart, RS485
Power	12~28VDC, 220VAC
Dielectric Constant Range	≥2
Measurement Interval	≤100ms
Transmission Frequency	6G, 26G, 80G, Customizable
Measurement Accuracy	±5mm, ±2mm, ±1mm
Beam Angle	3°, 6°, 20°
Material Quality	304SS, 316SS, PTFE, Customizable
Cable Entry	M20*1.5
Explosion Proof Level	ExdialICT6

OVERALL DIMENSIONS



	A	B	C	H
DN80	φ 190	φ 150	4-φ 18	15
DN100	φ 210	φ 170	4-φ 18	15
DN125	φ 240	φ 200	8-φ 18	17
DN150	φ 265	φ 225	8-φ 18	17
DN200	φ 320	φ 280	8-φ 18	19

PRODUCT CONNECTION MODE



PRODUCT SELECTION TABLE

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