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26GHz RADAR LEVEL TRANSMITTER

26G HF radar level measuring instrument, measuring the maximum distance up to 80 meters. The antenna is further optimized; new fast microprocessor can perform higher-rate signal analysis and processing, so that the meter can be used in reactors, solid silos, etc.

- Almost free from corrosion and foam; almost unaffected by changes in water vapor, temperature and pressure in the atmosphere.
- The severe dust environment has little effect on the work of the high frequency level gauge.
- The beam angle is small, the energy is concentrated, and the echo capability is enhanced while avoiding interference.
- The measurement blind zone is smaller, and good results can also be obtained for small can measurement.
- High signal-to-noise ratio, even in the case of fluctuations, can get better performance.
- High frequency is the best choice for measuring solid and low dielectric constant media.

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Technical Parameter

Process connection	-	Thread G11⁄2"A / Thread 11⁄2"NPT / flange
Antenna profile	-	stainless steel
Shell	-	Seal between the outer casing and the outer
Two-wire system	-	Standard type (16~26) V DC Intrinsically safe type (21. 6~26. 4) V DC Power consumption max 22. 5mA / 1W Allow ripple - <100Hz USS < lV - (100~100K) Hz USS < l0mV Flameproof (22. 8~26. 4) V DC two-wire system (198~242) V AC four-wire system / 110V AC four- Wire system
Cable parameter	-	Cable entry/plug 1 M20xl.5 cable entry 1 blind plug M20xl.5 Terminal block conductor cross section 2.5mm2 Output parameters
Output parameters	-	Output signal (4~2 0) mA Communication protocol HART Resolution 1.6uA Fault signal, current output is unchanged; 20.5mA; 22mA; 3.9mA Integration time (0~36) s, adjustable
Blind area	-	Antenna end
Max measuring distance	-	80meters Microwave frequency 26GHz
Interface	-	HART communication protocol
Measurement interval time	-	approximately 1 second (depending on parameter settings) Adjustment is about 1 second (depending on parameter settings)
Display resolution	-	1mm
Working storage And transportation Temperature	-	(-40～100) ℃
Process temperature	-	Temperature of the antenna section (-40 to 250)℃
Relative humidity	-	95%
Pressure Max	-	4Mpa Shockproof
Mechanical vibration	-	l0m/s2,(10 ~ 150)Hz

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