



## **RADAR LEVEL TRANSMITTER:(JAYCEEWAVE ANL-8260H1)**

### **PRODUCTION INTRODUCTION**

JAYCEEWAVE- 8260AG2 is designed for industrial processes with coagulant, sediment, adhesion, steam tank or dust adhesion, etc.

Compared to other products, AG2 doesn't need air purge, and it's quite cost effective.

It is suitable for heavy dust, steam and other extreme conditions, as well as special process storage tanks with stirring and heating rod.

### **APPLICATION NOTICE :**

JAYCEEWAVE-8260AG2 is applied to the acid corrosive industrial environment, the antenna shall be purchased with PTFE .

The current output in the alarm state will change to 22mA when the output of the 2-wire system is set to the limit alarm.

In the industrial environment of strong dust, high humidity and high humidity, it is not necessary to regularly clean/purge within 60 meters. More than 60 m is recommended to increase the antenna blowing device.

### **APPLICATION CASE 1 :**

JAYCEEWAVE-8260AG2 was applied to the case of Wet Coke Quenching Process :

The 60m coke carbon bit measurement, due to the wet quenching, the working condition is characterized by high wet dust hanging material, the vapor concentration is too large to measure.

AG2 is an economy effective solution to the effect of wet quenching and wet dust hanging and the condensation of concentrated steam. Compared with other radars, there is no need to blow and sweep.

### **APPLICATION CASE 2 :**

JAYCEEWAVE-8260AG2 is applied to the measurement case of cement factory :

The condition of 50mlimestone is characterized by high dust and hanging material. The concentration of dust is too heavy to measure.

AG2 is a good solution to dust hanging and powder materials, and it's quite stability and reliability while measuring, there is not necessary to add the air purge.



FIGURE 1 : RADAR LEVEL TRANSMITTER

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## Technical Specification

Frequencies	: 26 GHz, $\pm 250$ MHz, with 52GHz harmonic frequencies	Casing	: Aluminum Alloy, single cavity or double cavity (220 V AC only with double cavity)
Range	: 0.45 to 30Mtr. Or 0.6 to 70Mtr.	Antenna Type	: AG type convex lens KU Antenna, PTFE/Nylon polyamide
Resolution	: 0.1m	Process Pressure	: -1~10MPa, -10~20MPa (can add reinforcement flange structural parts)
Precision	: $\leq \pm 15$ mm	Dimension	: 220 mm X 220 mm X 278mm (with DN100 flange)
Beam Angle	: 8°	Recommended	
DK Range	: 2.0~100, Adapt to medium viscosity < 3000cp	Cable entrance	: M20 X 1.5 ( 5...9mm)
Power Supply	: 2-wired, 16~36 V DC(Max. <45VDC)/4-wired 9~36 V DC/110~250V AC, 50Hz/60Hz(AC)	Cable	: AWG 18 or 0.75 mm <sup>2</sup>
Communication	: 4-20m A/HART/MODBUS/PROFIBUS(depending on the sequence of specific models)	IP Rating	: IP67
Signal Output	: 4-20m A(with HART/MODBUS/PROFIBUS * Protocol)/RS 485	Anti-Explosion Rate	: Ex IA IIC T6 GA
Control Output	: 4-20 mA/RS485,(Option alone route 250V AC/24 V DC, 5A, relay output/configurable alarm range)	Installation	: $\geq$ DN 100 flange
Error Output	: 4 m A , 22 mA and 20.5mA (optional)	N.W/G. W	: 3.51 Kg/ 4.00 Kg
Site operation/ Programming	: 128 X 64 dots LCD/4 ley, configure the upper machine to setup software/or Wi-Fi/BT+ mobile APPP/or tank side table.		
Process Temperature /Humidity	: -40~110°C, -40~250°C (can add a flange with upper radiator pipe), $\leq 95\%$ RH		