



Level Measurement Radar 26GHz ACTRD-2300

Level measurement under certain pressure
temperature limit and easy process condition

GENERAL

The extremely narrow microwave pulse emitted by the antenna on radar level instrument can travel at the speed of light and part of its energy, which is reflected off the surface of target medium, is received by the very same antenna. The time lapse between pulse emission and reception by the antenna is proportional to the distance between the surface of target medium and the reference point on antenna. However, due to the fact that the electromagnetic wave is transmitted at extremely high speed, which leads to the tiny time lapse (nanosecond level) and makes it difficult to be identified, ACTRD series of radar level instrument have adopted a special demodulation technology, enabling itself to detect the time lapse between pulse emission and reception correctly, and eventually generate accurate measurement result.

SPECIFICATION

Measurement Range : 0-20m
Measurement Accuracy : 3 mm
Process Temperature : -40~150 C°, -40~200C°, -40~250C°

Process Pressure : -1.0~16 bar
Signal Output : 4-20mA(DC24V)/HART(2-Wire)
4-20mA(22.8~26.4VDC)/HART(4-Wire)
4-20mA(198~242VAC)/HART(4-Wire)
Effective Beam Angle : DN50-18°, DN80-12°, DN100-10°

Antenna Material : Stainless Steel 316L/PTFE

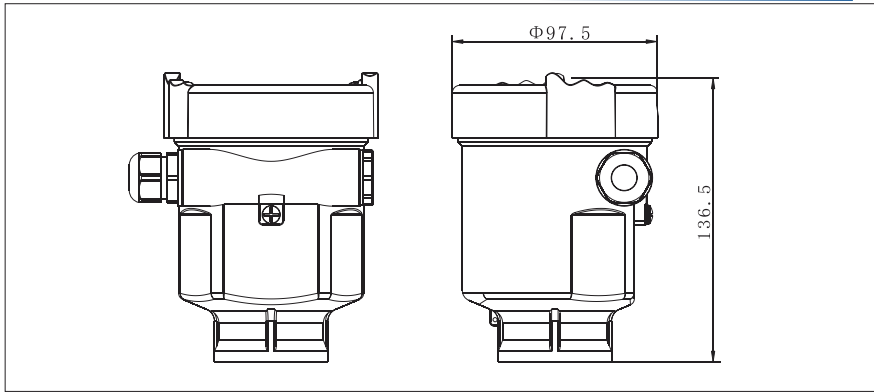
Housing/Protection : Plastic/IP66
Aluminium/IP67
Aluminium(two Chamber)/IP67
Stainless steel 316L/IP67

Process Connection : Flange DN50, DN80, DN100 and Special Specification

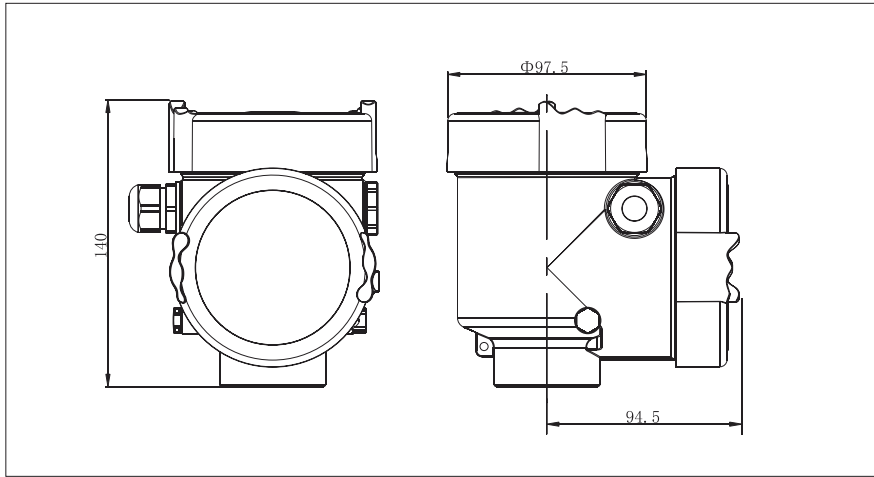
Approval : Standard(without Approval)
Intrinsically Safe(Exia IIC T6)
Intrinsically Safe+Ship Approval(Exia IIC T6)
Intrinsically Safe+Flameproof Approval(Exia IIC T6)



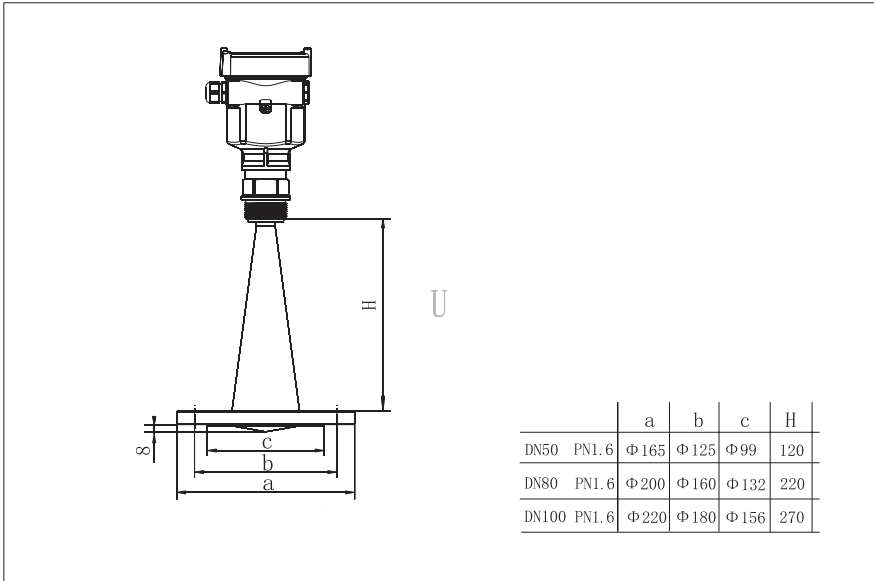
Dimensional Specifications



A/B/D Type:Housing
Material :PBT/Aluminium/316L



C Type:Aluminium (two chamber)



Flange Version