

### Suitable for solid materials and materials with strong presences of powders 26 GHz Frequency Measurement Up to 70 meters.

It is suitable for applications in storage tanks, reactors and process vessels even under severe process conditions.

Suitable for most applications involving bulk products, even in dusty environments and at high temperatures up to + 250°C

Application for cement dust, powder materials and plastic granules, grain, coal, wood dust, fly ash.

The antenna is optimized for various calculations, the new microprocessors have a greater speed and efficiency to perform signal analysis.

They can be used for measurements in very difficult environments.

#### Features of the 26GHz radar level transmitter

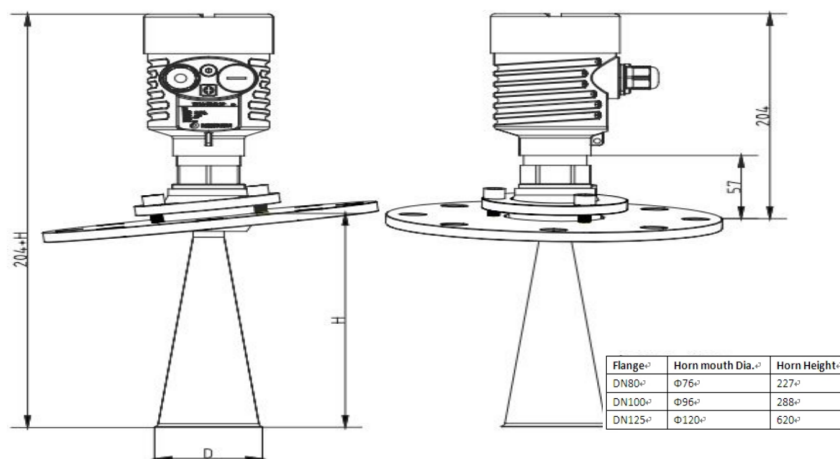
- Easy to install; non-contact radar; no wear; no pollution, no corrosion, no bubble effect; not affected by water vapor in the atmosphere by temperature and pressure variations.
- Simple calibration, accurated measure and speed of response.
- High signal-to-noise ratio, the state level fluctuation get better performance.
- Rugged steel construction for industrial applications
- On request ATEX version for areas with risk of explosion.



#### Features

Application	Solids with a strong presence of dust and crystallization
Measuring Range	up to 70 m
Connection	Threaded (flanged on request)
Fluid Temperature	-40+250°C
Pressure	Atmospheric
Accuracy	+/- 15 mm
Frequency range	26 GHz
Signal output	4÷20 mA / HART 2 wires-4 wires
Protection degree / EX	IP67 / Atex Exia IIC T6 Ga on request

### Dimensions

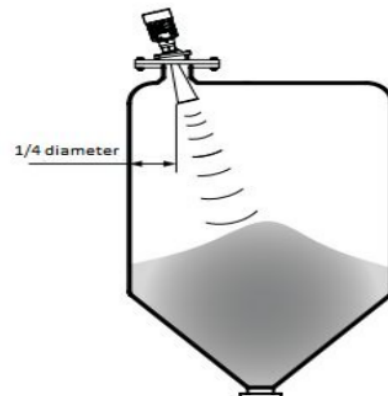
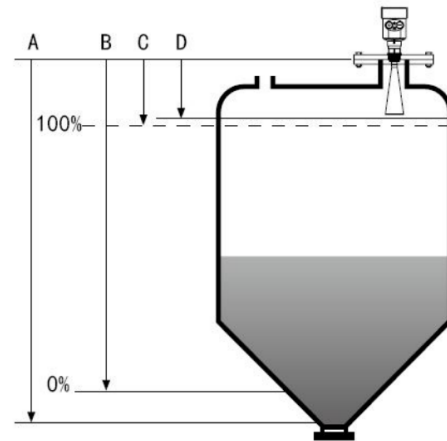


### How to order the RIL410

P	Standard (Not explosion-proof)
I	Intrinsic safety (Exia IIC T6 Ga)
<b>Connections</b>	
G	Threaded G1" ½ A / Stainless steel AISI 304
N	Filetato 1" ½ NPT Stainless steel AISI 304
B	Flange DN80 /Stainless steel AISI 304
C	Flange DN100 /Stainless steel AISI 304
D	Flange DN125 /Stainless steel AISI 304
E	Flange DN150 /Stainless steel AISI 304
F	Flange DN200 /Stainless steel AISI 304
H	Flange DN250 /Stainless steel AISI 304
M	Flange DN80 / Carbon steel nikel plated
K	Flange DN100 / Carbon steel nikel plated
T	Flange DN125 / Carbon steel nikel plated
Z	Flange DN150 / Carbon steel nikel plated
W	Flange DN200 / Carbon steel nikel plated
V	Flange DN250 / Carbon steel nikel plated
Y	tailored connections
<b>Antenna / Materials</b>	
B	Diameter 76 mm Stainless Steel AISI 304
C	Diameter 96 mm Stainless Steel AISI 304
D	Diameter 121 mm Stainless Steel AISI 304
<b>Seal / Process Temperature</b>	
V	Viton (-40+150°C)
K	Kalrez (-40+250°C)
<b>Electronic unit</b>	
2	(4~20) mA / 24V DC / 2 wires
3	(4~20) mA / 24V DC / 2 wires HART
4	(4~20) mA / 220V AC / 4 wires
5	RS485 / Modbus
<b>Housing / Protection Degree</b>	
L	Aluminium / IP67
G	Stainless steel 304 / IP67
<b>Cable Output</b>	
M	M20x1.5
N	½" NPT
<b>Display</b>	
A	Integrated
X	Without

Example: RIL410-P-G-B-V-2-L-M-A

A Measurement range  
B Minimum level  
C Maximum level  
D dead zone



**Note:** During installation it is important to remember that in the proximity of the probe there is a BLIND ZONE (or BLIND DISTANCE) of 0.25 m which the sensor can not measure. (Figure D).