

## RADAR LEVEL METER

### RM-902



#### Features

- Designed for liquid material
- Up to 30 meters measuring range
- Beam angle is small energy concentration
- High-quality waterproof connector
- Pulse work launch frequency of low impact on people and the environment

#### Technical Data

**Application :** liquid material  
**Measuring Range :** 0...5/10/15/20/30 m  
**Accuracy :** ±5 mm (within 0.5...30 m)  
**Resolution :** 1 mm  
**Beam angle :** 8°, 12° (depend on antenna size)  
**Blind area :** The ends of the antenna  
**Frequency Range :** 26 GHz  
**Process Temperature :** -40...+130°C (Standard), -40...+230°C (option)  
**Process Pressure :** -1...16 barg  
**Process Connection :** Flange DN80 or Flange DN100  
**Antenna material :** 304 Stainless steel, 316L Stainless steel  
**Head Material :** Aluminum  
**Signal output :** 4...20 mA (2-wire), 4...20mA (4-wire), RS485 (option)  
**Power supply :** 24 Vdc  
**Power consumption :** Max. 22.5 mA / 1 W  
**Protection class :** IP67



LCD display

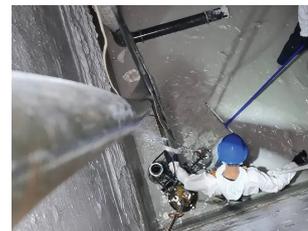
Config button



#### Application



Natural Reservoir



Industry pond



Normal liquid tank



Pressured liquid tank

[www.omi.co.th](http://www.omi.co.th)

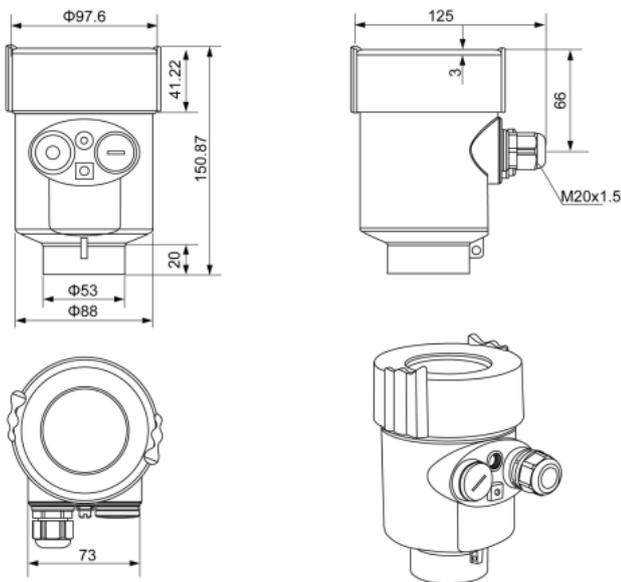
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## RADAR LEVEL METER RM-902

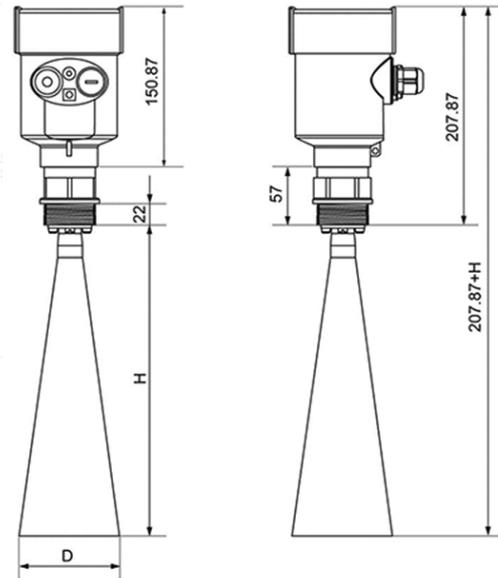
### Drawing and dimension

Unit : mm

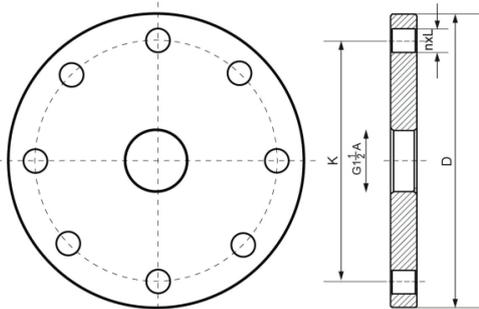
● **Head dimension**



● **Appearance size**



● **Flange dimension**



Beam angle	Antenna Diameter (D)	Antenna Height (H)
8°	$\Phi 96$	290
12°	$\Phi 76$	205

Flange Selection Tables				
Specification	Outer diameter (D)	Hole center distance (K)	Number of Hole (n)	Hole diameter (L)
DN80	$\Phi 200$	$\Phi 160$	8	18
DN100	$\Phi 220$	$\Phi 180$	8	18

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## RADAR LEVEL METER RM-902

### Ordering Code

<b>Series : RM-902-X-X-X-X-X</b>			
<b>X : Level range</b>			
5 : measuring range 0...5 m			
10 : measuring range 0...10 m			
15 : measuring range 0...15 m			
20 : measuring range 0...20 m			
30 : measuring range 0...30 m			
		<b>X : Flange connection</b>	
		80 : DIN Flange PN16 DN80 (Beam angle 12°), Antenna diameter Φ76 mm	
		100 : DIN Flange PN16 DN100 (Beam angle 8°), Antenna diameter Φ96 mm	
		<b>X : Signal output</b>	
		2A : 4-20 mA (2-wires)	
		4A : 4-20 mA (4-wires)	
		D : RS485	
		<b>X : Antenna and flange material</b>	
		S04 : 304 stainless steel material	
		S16 : 316L stainless steel material	
		<b>X : Operating temperature</b>	
		- : -40...+130°C	
		H : -40...+230°C	

**Example : RM-902-10-80-2A-S04**

Radar level meter range 0...10 m, Flange connection DN80 with Beam Angle 12° , Signal output 4-20mA (2-wire), operating temperature -40...+130°C