






26G Radar Level Measurements

1 Product Overview

 <p>LM-RD-55</p>	<p>Application: Level measurement in liquids, especially erosive liquids, under easy process condition</p> <p>Measurement Range: 10m</p> <p>Measurement Accuracy: ±5mm</p> <p>Antenna Material: PVDF/PTFE</p> <p>Process Connection: G1 1 / 2 A</p> <p>Process Temperature: - 40...+130°C</p> <p>Process Pressure: -1.0...3.0 bar</p> <p>Frequency Range: 26GHz</p> <p>Signal Output: 2-Wire/4-Wire 4...20mA/HART</p>
 <p>LM-RD-56</p>	<p>Application: Level measurement under certain pressure/temperature limit and easy process condition</p> <p>Measurement Range: 30m</p> <p>Measurement Accuracy: ±3mm</p> <p>Antenna Material: Stainless Steel 316L/PTFE</p> <p>Process Connection: G1 1 / 2 A/11/2NPT</p> <p>Process Temperature: - 40...+200°C</p> <p>Process Pressure: -1.0...40bar</p> <p>Frequency Range: 26GHz</p> <p>Signal Output: 2-Wire/4-Wire 4...20mA/HART</p>
 <p>LM-RD-57</p>	<p>Application: Level measurement of strong erosive medium under certain pressure/temperature limit and easy process condition</p> <p>Measurement Range: 20m</p> <p>Measurement Accuracy: ±3mm</p> <p>Antenna Material: Stainless Steel 316L horn /PTFE vibrator</p> <p>Antenna Structure: conical surface vibrator, coagulation resistance</p> <p>Process Temperature: - 40...+150°C</p> <p>Process Pressure: -1.0...16bar</p> <p>Frequency Range: 26GHz</p> <p>Signal Output: 2-Wire/4-Wire 4...20mA/HART</p>
 <p>LM-RD-58</p>	<p>Application: Solid/storage/process/ vessels under dust/crystallization/condensation conditions</p> <p>Measurement Range: 70m</p> <p>Measurement Accuracy: ±15mm</p> <p>Antenna Material: 1. Stainless Steel 316L horn /PTFE vibrator 2. Stainless Steel 316L/ PTFE vibrator 3. plastic horn / PTFE vibrator</p> <p>Antenna Structure: 1. pointed cone vibrator, low coagulation resistance 2. conical surface vibrator, coagulation resistance 3. conical surface vibrator, dewdrop and coagulation resistance</p> <p>Process Temperature: - 40...+200°C</p> <p>Process Pressure: -1.0...40bar (standard atmosphere with universal joint)</p> <p>Frequency Range: 26GHz</p> <p>Signal Output: 2-Wire/4-Wire 4...20mA/HART</p> <p>Process Connection: Thread, Flange and Universal Joint</p>

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 <p>LM-RD-59</p>	<p>Application: Solid/atmosphere temperature/standard atmosphere vessels</p> <p>Measurement Range: 15m</p> <p>Measurement Accuracy: $\pm 10\text{mm}$</p> <p>Antenna Material: horn antenna/with PTFE enclosure</p> <p>Antenna Structure: <ol style="list-style-type: none"> 1. pointed cone vibrator, low coagulation resistance 2. conical surface vibrator, coagulation resistance 3. conical surface vibrator, dewdrop and coagulation resistance </p> <p>Process Temperature: $-40\dots+80^{\circ}\text{C}$</p> <p>Process Pressure: standard atmosphere</p> <p>Frequency Range: 26GHz</p> <p>Signal Output: 2-Wire/4-Wire 4...20mA/HART</p> <p>Process Connection: Thread, Flange</p>
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Antenna Structure Selection

 <p>No: R</p> <p>Material: PTFE</p> <p>Specification: $\Phi 44/\text{length } 137$ $\Phi 44\text{L}/\text{length } 237$</p> <p>Features: corrosion attack</p>	 <p>No: T</p> <p>Material: Stainless Steel</p> <p>Specification: $\Phi 48/\text{length } 140$ $\Phi 78/\text{length } 227$ $\Phi 98/\text{length } 288$ $\Phi 98\text{L}/\text{length } 474$ $\Phi 123/\text{length } 620$</p> <p>Features: temperature tolerance/pressure proof</p>
 <p>No: V</p> <p>Material: Stainless Steel (with PTFE enclosure)</p> <p>Specification: $\Phi 98/300$ $\Phi 98\text{L}/480$ $\Phi 123/625$</p> <p>Features: atmosphere temperature/standard atmosphere</p>	 <p>No: S</p> <p>Material: PP (with PTFE enclosure)</p> <p>Specification: $\Phi 98/\text{length } 280$ $\Phi 98\text{L}/\text{length } 440$</p> <p>Features: atmosphere temperature/standard atmosphere</p>
 <p>No: U</p> <p>Material: PTFE</p> <p>Specification: DN 50 DN 80 DN 100</p> <p>Features: corrosion attack/pressure proof</p>	

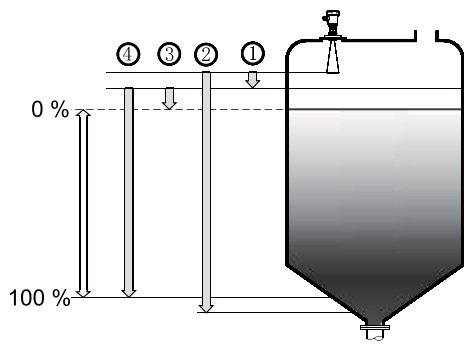
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2 Mounting Requirement

Be cautious during the installation:

1. the highest level of target medium must Not enter into blanking zone;
2. the measurement must keep certain distance to vessel walls;
3. every possible measure needs to be taken to position the measurement so that the direction of antenna emission is perpendicular to the surface of measured medium;
4. the installation of measurements in explosion proof area must abide by relevant local or federal safety regulations. Aluminium housing should be used on intrinsically safe version, which is also applicable in explosion proof areas. The measurement must be connected with ground in this case.

Illustration

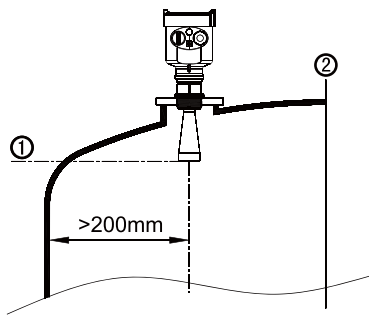


Reference Plane for Measurement: the thread or seal plane of flange
 Measurement blanking zone: the area between measurement reference plane and the antenna end.

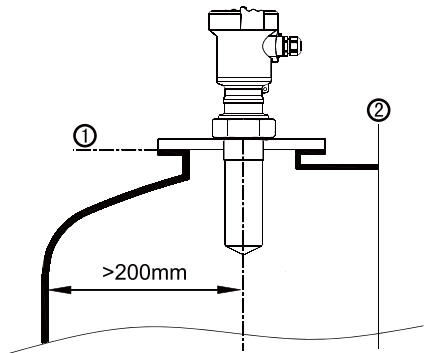
1. Blanking Zone
2. Empty (Max. Measurement Distance)
3. Max. Measurement Range
4. Min. Measurement Range

Note: The highest level of measured medium must not enter into blanking zone while radar level measurement is in operation.

Mounting Position

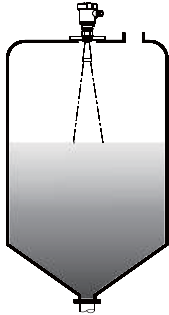


Note: Minimum distance of 200mm between measurement and vessel wall during installation



1. Reference Plane
2. Center of Vessel or Symmetrical Axis

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The best mounting position for a conical vessel with flat top is the center of its top, as the effective measurement can reach the bottom of vessel.

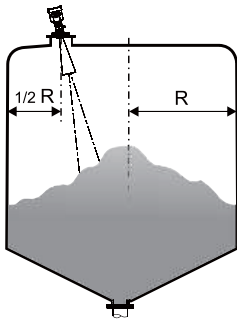
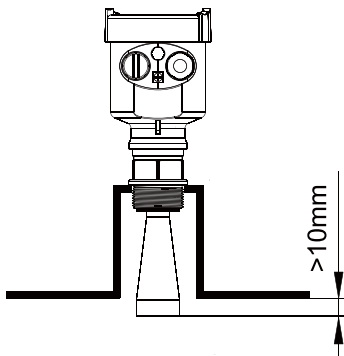


Illustration of radar level measurement with universal joint.

Socket



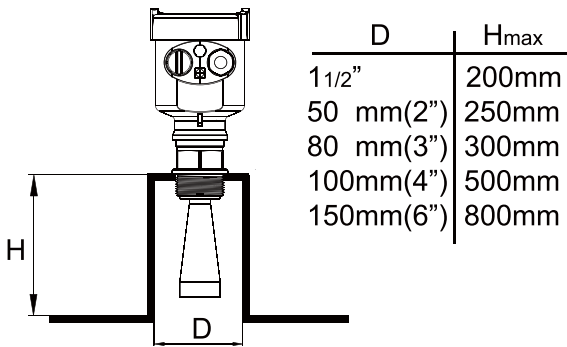
The transducer end must at least protrude 10mm out of socket.

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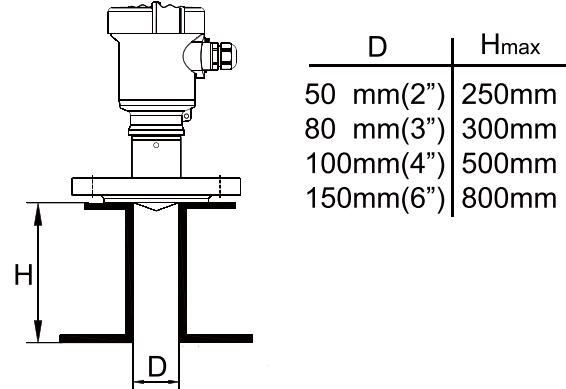
Illustration

In case of strong reflective properties of target medium and big socket diameter, you can mount measurements on sockets higher than the antenna length. The recommended values for socket heights are shown in the illustration below. The socket end should be smooth and burr-free, if possible also rounded. Moreover, false echo storage must be carried out afterwards.

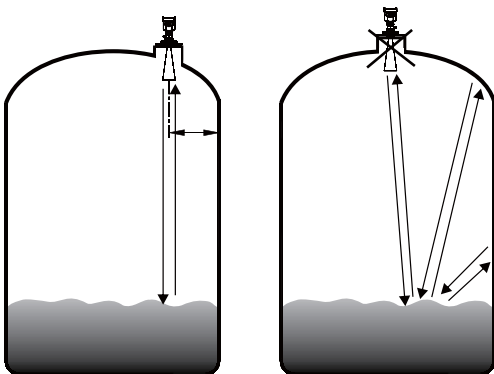
Illustrative Diagram on Socket Connection of LM-RD-56



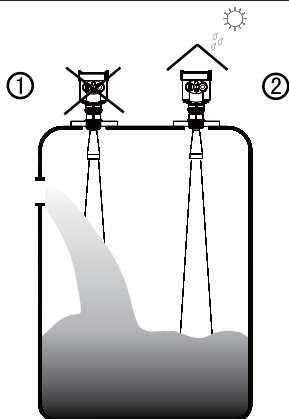
Illustrative Diagram on Socket Connection of LM-RD-57



Illustrative Diagram on Installation



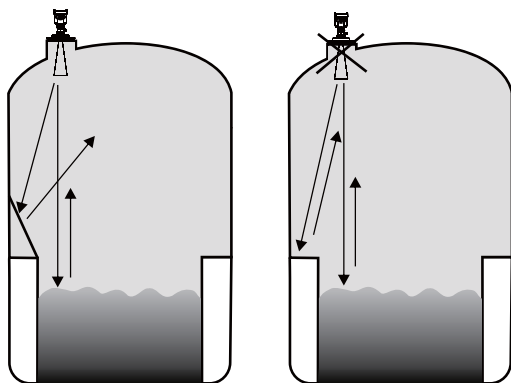
Wrong: Measurements are mounted in the center of concave or arched vessel tops, which results in multiple echoes and should be avoided during installation.
The left figure shows correct installation!



- 1 Wrong: Mount the measurement in/above filling stream, which results in the measurement of filling stream not the target medium.
- 2 Sun shield or rain-proof is required for outdoor mounting.

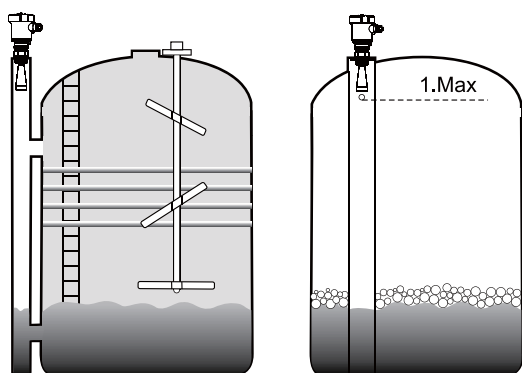
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Scattering Installation



When the radar level measurement is installed, its beam emission direction should avoid the objects in the container that tend to protrude reflection.

Installation with Standpipe



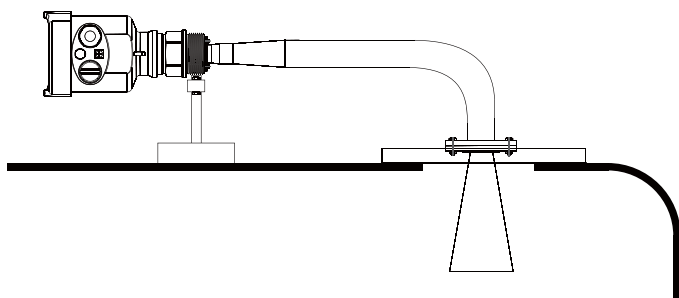
You are advised to opt for installation with standpipe (or bypass tube) to avoid the influence on measurement caused by barriers inside vessels or foam generation.

If the measurement is undertaken by LM-RD-5X inside the standpipe, the minimum inner diameter of standpipe should be 50mm. Avoid large cracks or welding seam when connecting standpipe. False echo storage must be carried out as well in this case.

1 Vent hole of diameter 5...10mm

Note: You must NOT mount measurement inside standpipe while measuring adhesive medium.

Installation of Bend-pipe Radiator



If bend-pipe radiator is installed on the radar level measurement, the impact of high temperature on measurement can be avoided when measurement is made at high temperature.

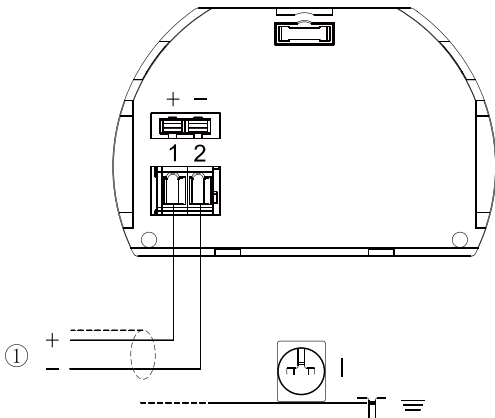
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3 Electrical Connection

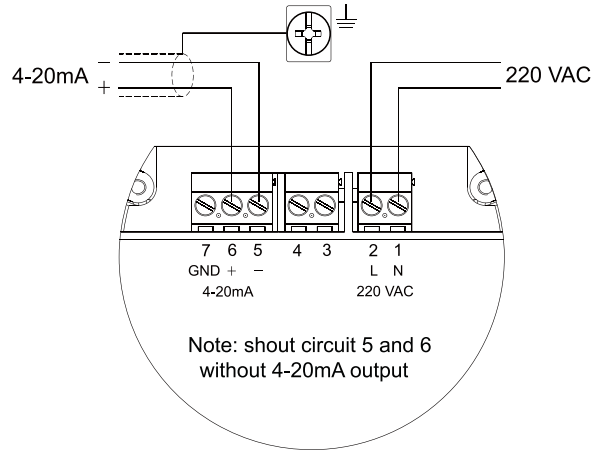
Wiring Diagram

2-wire wiring used for HART

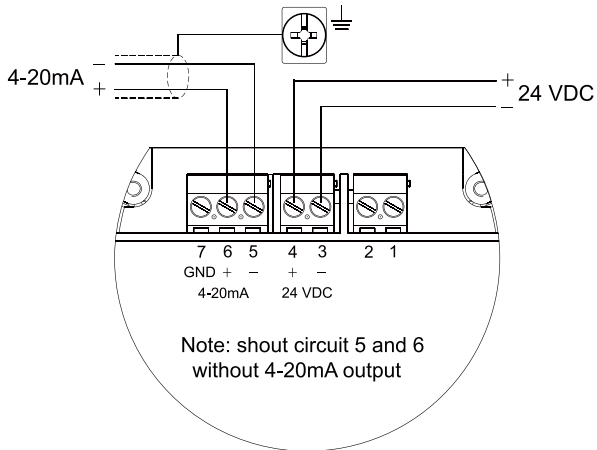
1. Power supply and signal output



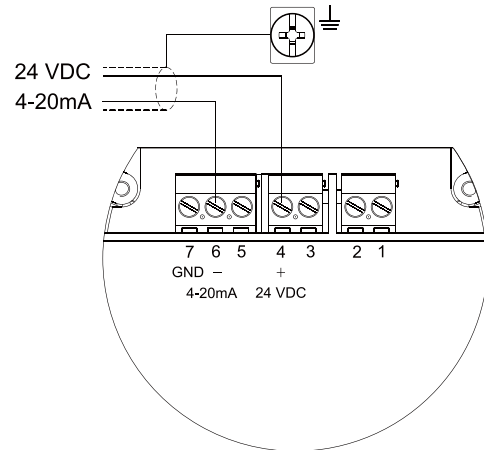
4-wire/2- chamber, 220 VAC power supply, 4-20mA output



4-wire/2- chamber, 24 VDC power supply, 4-20mA output

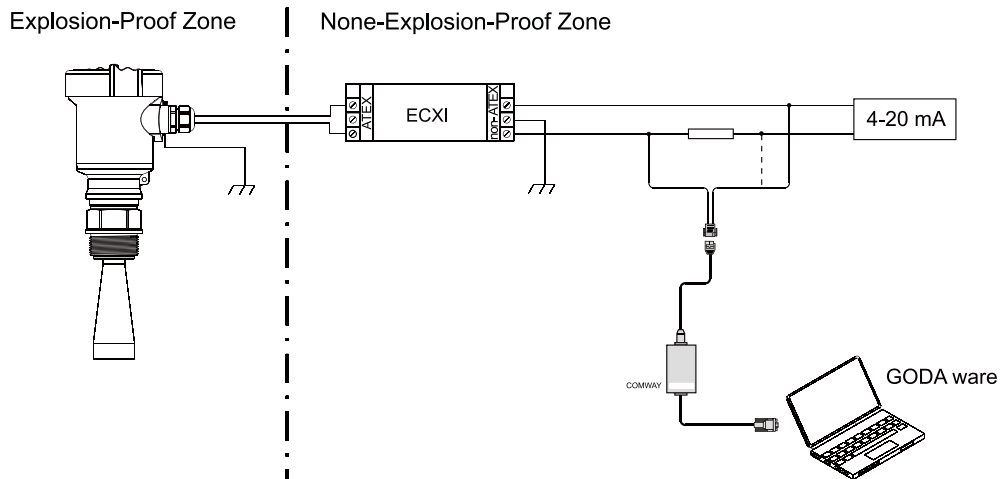


4-wire/2- chamber, 24 VDC power supply, 4-20mA output

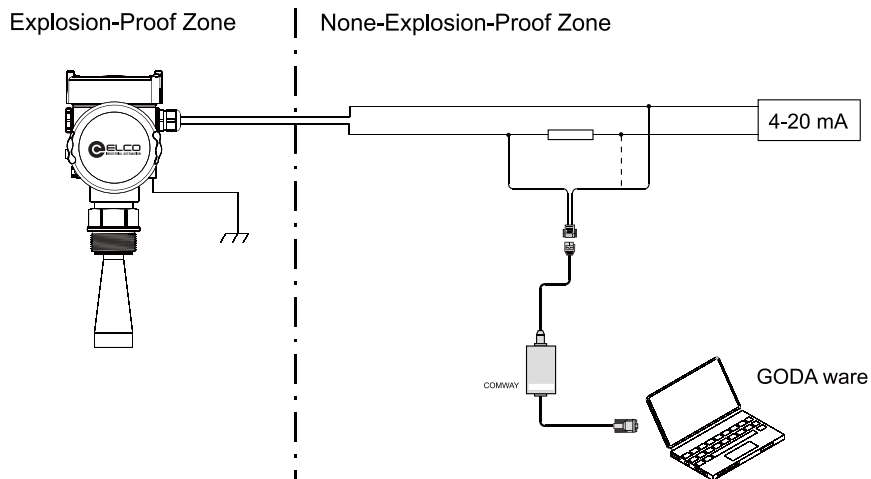


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Explosion Proof Connection- Intrinsically Safe



Explosion Proof Connection- Intrinsically Safe+ Flameproof Approval



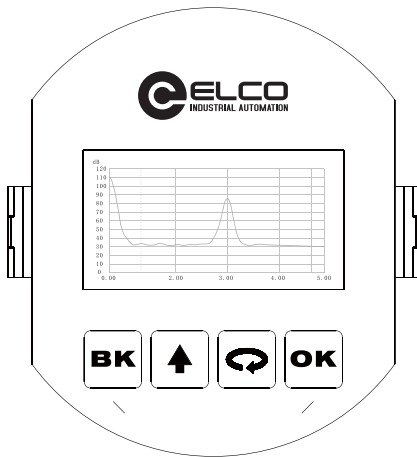
26G Radar Level Measurements

4 Adjustment Instructions

Adjustment Methods: Three adjustment methods available for LM-RD-5X

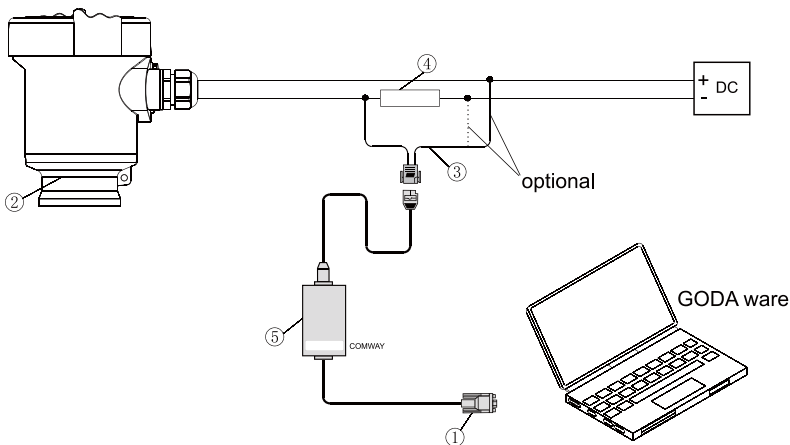
- 1 Display /adjustment module
- 2 An adjustment software-GODA ware
- 3 HART handheld programmer

Display/Adjustment Module



- [OK]**: - Enter programming mode;
- Confirm programming options;
- Confirm modifications to parameters.
- [↻]**: - Choose programming options;
- Choose the digit of parameters to edit;
- Display the contents of parameters.
- [↑]**: - Modify parameter values;
- [BK]**: - Programming mode exit;
- Return to higher menu level;
- Shortcut key mode, display echo curve.

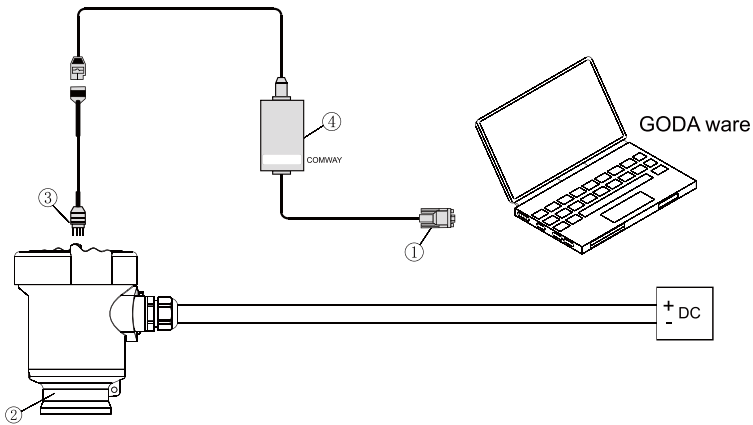
GODA ware



Connect with another unit through HART

1. RS232 connection cable
2. LM-RD-5X
3. HART adapter used on COMWAY convertor
4. Resistance 250ohm
5. COMWAY convertor

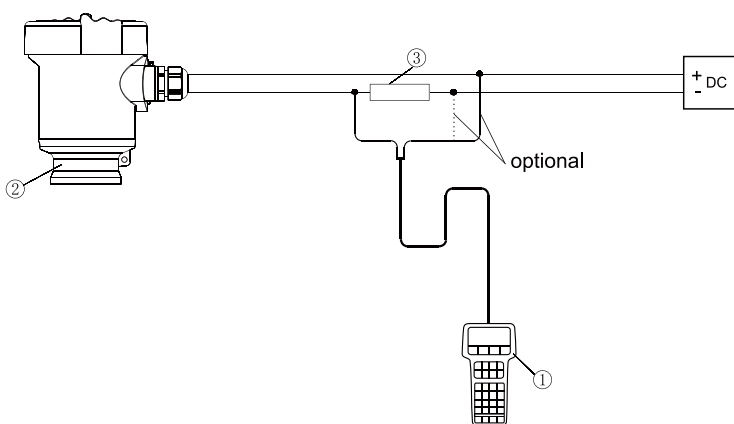
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Connect with another unit through I²C

1. RS232 connection cable
2. LM-RD-5X
3. I2C adapter used on COMWAY convertor
4. COMWAY convertor

HART Handheld Programmer

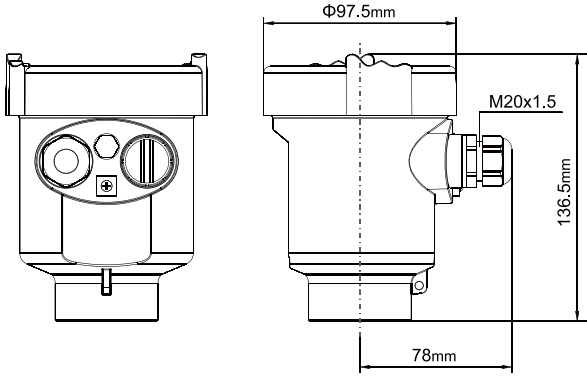


1. HART handheld programmer
2. LM-RD-5X
3. Resistance 250ohm

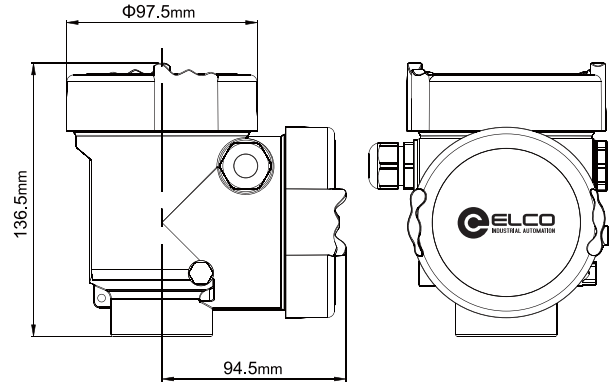
26G Radar Level Measurements

5 Dimensional Drawings (Unit: mm)

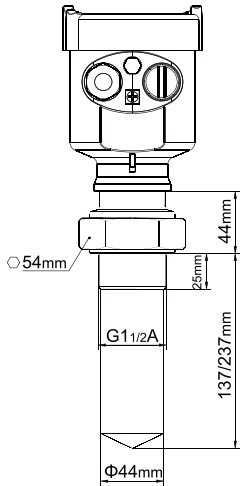
Material: AL/316L



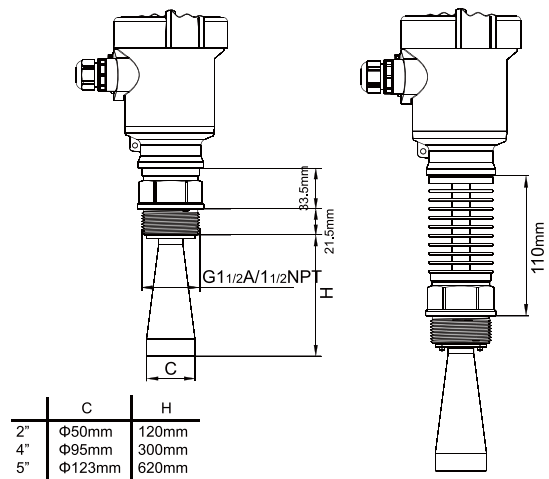
Material: AL(two-chamber)



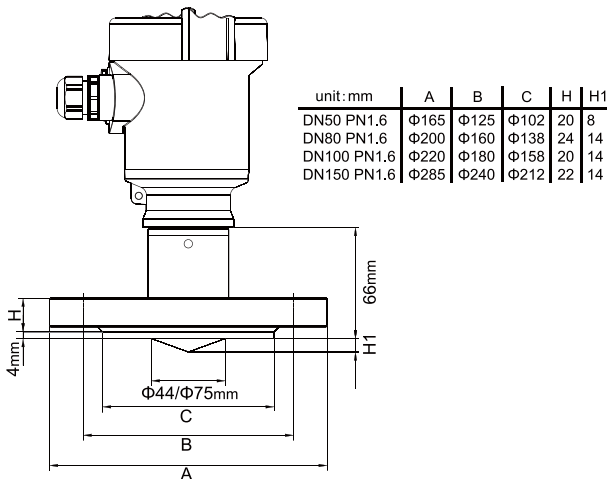
LM-RD-55 Threaded Version



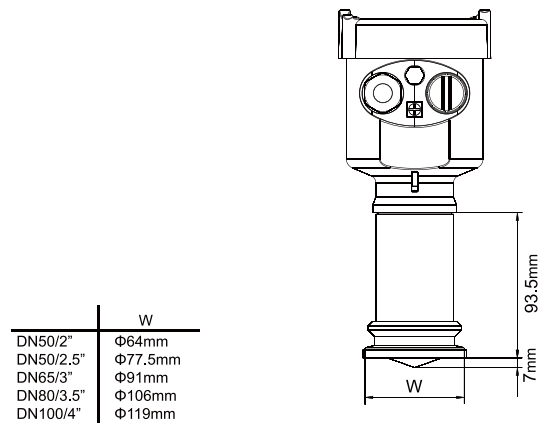
LM-RD-56 Threaded Version



LM-RD-57 Flange Version

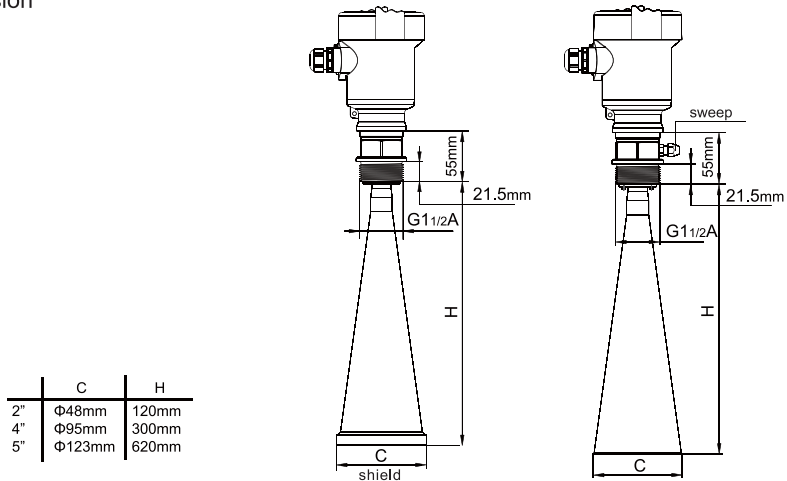


LM-RD-57 Clip Connection (Sanitary Version)

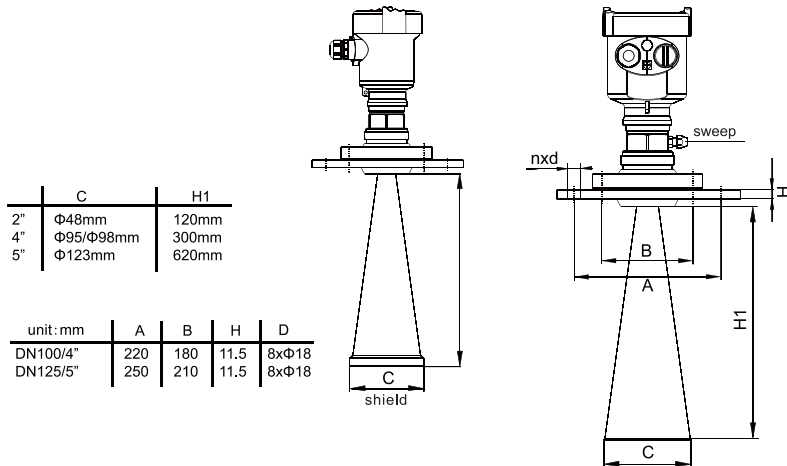


26G Radar Level Measurements

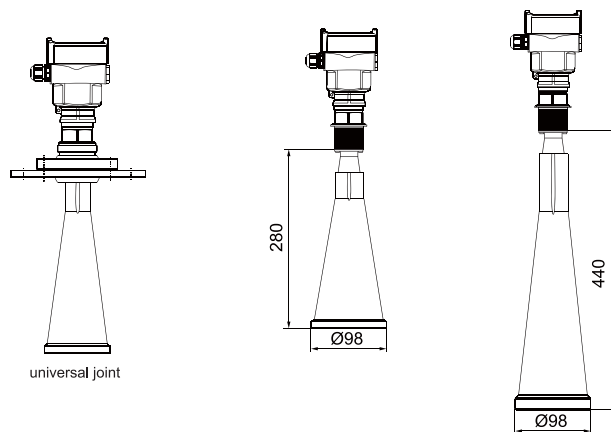
LM-RD-58 Threaded Version



LM-RD-58 Universal-joint Version



LM-RD-59



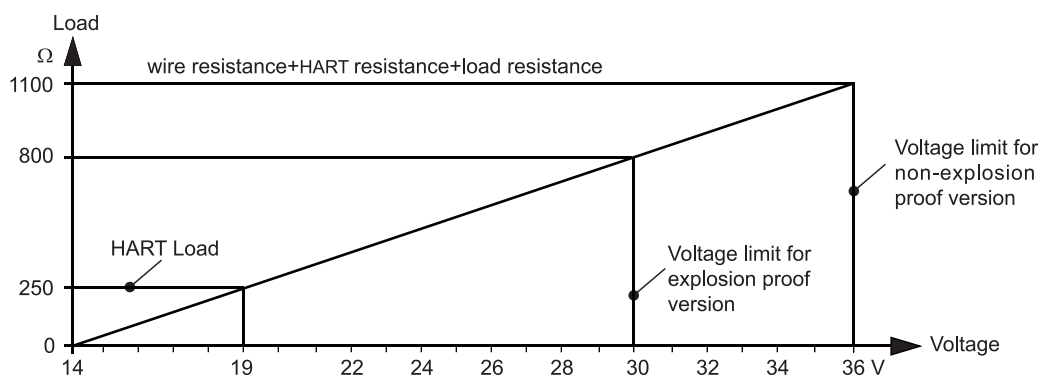
26G Radar Level Measurements

6 Technical Specifications

General Parameters	
Housing: Aluminium, Stainless Steel PBT-FR	Weight
Seal ring between housing and housing cover: Silicone	LM-RD-55: 1kg (Depend on process connections and housings)
ViewPoint window on housing: Polycarbonate	LM-RD-56: 2kg (Depend on process connections and housings)
Ground terminal: Stainless Steel	LM-RD-57: 3kg (Depend on process connections and housings)
	LM-RD-58: 7kg (Depend on process connections and housings)
	LM-RD-59: 7kg (Depend on process connections and housings)
Voltage Supply	
Standard Version: 15...36V DC	
Intrinsic Safe Version: 24V DC	
Power Consumption: Max. 22.5mA	
Ripple Allowed: <100Hz U _{ss} <1V	
<100...100KHz U _{ss} <10mV	
4-wire/2-chamber: Intrinsic Safe+ Explosion-Proof 24V DC±10%, 220V AC±10%	
Power Consumption: Max. 4VA, 2.1W	
Output	
Output Signal: 4...20mA/HART	
Resolution: 1.6µA	
Fault Signal: Constant current output: 20.5 mA;22 mA,3.8mA	
2-wire load resistance: See diagram below	
4-wire load resistance: Max. 500ohm	
Integration Time: 0...99sec,adjustable	

Model	LM-RD-55	LM-RD-56	LM-RD-57	LM-RD-58	LM-RD-59
Process Connection	Thread G1½A	Thread G1½A		Thread G1½A	Thread G1½A
		Thread 1½NPT	Flange 316L	Flange 316L	Flange 316L
			Sanitary Version 316L	Thread 1 ½NPT	Thread 1 ½NPT
Antenna Material	PVDF PTFE	Stainless Steel 316L PTFE	PTFE	Stainless Steel 316L PTFE	Stainless Steel 316L PTFE

2-Wire Load Resistance Diagram



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Characteristic Parameters of Transducer

Blanking Distance	End of Antenna
Max Measurement Distance	
LM-RD-55	10m(Liquids)
LM-RD-56	30m(Liquids)
LM-RD-57	20m(Liquids)
LM-RD-58	70m
LM-RD-59	15m
Microwave Frequency	26GHz
Measurement Interval	1sec (Depend on parameter settings)
Adjustment Time	1sec (Depend on parameter settings)
Resolution of Display	1mm
Accuracy	See the accuracy illustration diagram below
Temperature for Storage/ Transport	-40...+80°C
Process Temperature (Probe)	
LM-RD-55	-40...+130°C
LM-RD-56	-40...+200°C
LM-RD-57	-40...+150°C
LM-RD-58	-40...+200°C
LM-RD-59	-40...+80°C
Relative Humidity	< 95%
Pressure	Max.40bar
Vibration Proof	Mechanical vibration 10m/s ² 10...150Hz

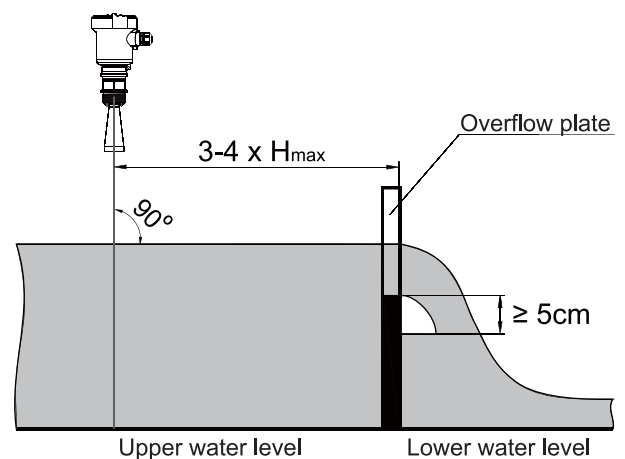
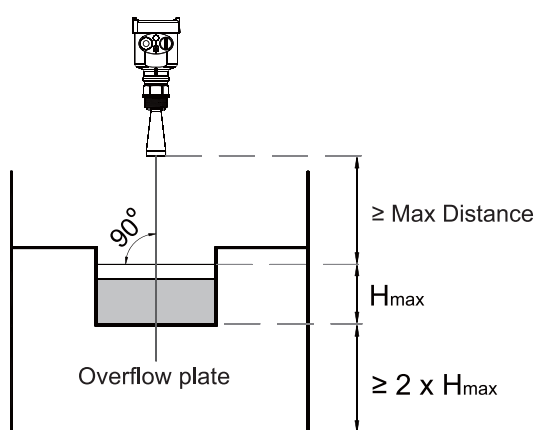
7 Open Channel Flow

Application in the measurement of open channel flow

According to the provisions stated in Open Channel Weirs & Flumes Flowmeter (JJG-1990) OF National Metrological Verification Regulation, the volume of liquid flow can be calculated through measuring the liquid level in weirs and flumes among open channels with level measurement given the condition that the weirs and flumes placed in open channels are both approved in the regulation.

Radar level measurement offers nonlinear output mapping function, which enables users to utilize the GODA ware to setup the nonlinear output mapping according to the certain relation between liquid level and volume of liquid flow and eventually complete the measurement of open channel flow.

Schematic Diagram of Open Channel Flow



26G Radar Level Measurements

8 Selection & Ordering Information

LM-RD-55	LM-RD-56																									
Explosion Proof Approval	Explosion Proof Approval																									
P Standard (Without Approval) I Intrinsically Safe (Exia II C T6) C Intrinsically Safe+ Ship Approval (Exia II C T6) G Intrinsically Safe+ Flameproof Approval (Exd [ia] ia II C T6)	P Standard (Without Approval) I Intrinsically Safe (Exia II C T6) C Intrinsically Safe+ Ship Approval (Exia II C T6) G Intrinsically Safe+ Flameproof Approval (Exd [ia] ia II C T6)																									
Shape of Antenna/Material/Process Temperature	Shape of Antenna/Material																									
B (R型) sealing horn/PTFE/-40...+130℃	B (T) horn antenna Φ48mm/ Stainless Steel 316L C (T) horn antenna Φ78mm/ Stainless Steel 316L H (T) horn antenna Φ98mm/ Stainless Steel 316L I (T) horn antenna Φ98mm(extension)/ Stainless Steel 316L J (T) horn antenna Φ123mm/ Stainless Steel 316L K (S) horn antenna Φ98mm/PP/PTFE closure L (S) horn antenna Φ98mm(extension)/PP/PTFE closure M (V) horn antenna Φ98mm/Stainless Steel 316L/PTFE closure N (V) horn antenna Φ98mm(extension)/Stainless Steel 316L/PTFE closure P (V) horn antenna Φ123mm/Stainless Steel 316L/PTFE closure X special customized																									
Process Connection/Material	Process Connection/Material																									
GP Thread G11/2A NP Thread 11/2NPT FA Flange DN50/PTFE FX special customized	GO no selection GP Thread G11/2A/ Stainless Steel 316L GA Thread11/2NPT/Stainless Steel 316L GB Thread G11/2A/PP GC Thread G11/2A/ Stainless Steel 316L-60...+250℃ GD Thread G11/2A/ Stainless Steel 316L-60...+400℃,40MPa GE Thread G11/2A/ Stainless Steel 316L(Sweep) GX special customized																									
Length of Vessel Rocket	Length of Vessel Rocket																									
A Rocket 100mm B Rocket 200mm																										
Electronic	Flange Selection/Material																									
A 4-20mA/2-Wire B 4-20mA/HART(2-Wire) C 4-20mA/22.8-26.4V DC/HART 2-wire/4-wire D 198-242V AC/HART 4-wire	<table border="1"> <thead> <tr> <th>specification code</th> <th>material</th> <th>PP</th> <th>PTFE</th> <th>Stainless Steel</th> </tr> </thead> <tbody> <tr> <td>DN50</td> <td></td> <td>FA</td> <td>FB</td> <td>FC</td> </tr> <tr> <td>DN80</td> <td></td> <td>GA</td> <td>GB</td> <td>GC</td> </tr> <tr> <td>DN100</td> <td></td> <td>HA</td> <td>HB</td> <td>HC</td> </tr> <tr> <td>DN125</td> <td></td> <td>IA</td> <td>IB</td> <td>IC</td> </tr> </tbody> </table>	specification code	material	PP	PTFE	Stainless Steel	DN50		FA	FB	FC	DN80		GA	GB	GC	DN100		HA	HB	HC	DN125		IA	IB	IC
specification code	material	PP	PTFE	Stainless Steel																						
DN50		FA	FB	FC																						
DN80		GA	GB	GC																						
DN100		HA	HB	HC																						
DN125		IA	IB	IC																						
Housing/Protection	FO no selection FX special customized																									
A Aluminium/IP67 B Plastic/IP66 D Aluminium (2-chamber)/IP67 G Stainless Steel 316L/IP67	Seal/Process Temperature																									
Cable Entry	2 Viton/-60...+150℃ 3 Kalrez/-60...+250℃ 4 Graphite/-60...+400℃																									
M M20x1.5 N 1/2NPT	Electronic																									
Display Programming	A 4...20mA 2-Wire B 4...20mA HART (2-Wire) C 4...20Ma/22.8...26.4V DC/HART 2-wire/4-wire D 198...242V AC/HART 4-wire																									
A Yes X No	Housing/Protection																									
Note: Version I (Exia II C T6) must be matched with electronic components B and housing A; Version C (Exia II C T6) must be matched with electronic components B and housing G; Version G (Exd [ia] ia II C T6) must be matched with electronic components C&D and housing D; Refer to GB/T9119-2000 PN1.6MPa dimension for target configuration flange, 15 for thickness.	A Aluminium/IP67 B Plastic/IP66 D Aluminium (2-chamber)/IP67 G Stainless Steel 316L/IP67																									
Example: LM-RD-55PBGPA2BANA	Cable Entry																									
	M M20x1.5 N 1/2NPT																									
	Display Programming																									
	A Yes X No																									
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	Example: LM-RD-56PBGCA2BANA																									

26G Radar Level Measurements

LM-RD-57	LM-RD-58																														
Explosion Proof Approval	Explosion Proof Approval																														
P Standard (Without Approval) I Intrinsically Safe (Exia II C T6) C Intrinsically Safe+ Ship Approval (Exia II C T6) G Intrinsically Safe+ Flameproof Approval (Exd [ia] ia II C T6)	P Standard (Without Approval) C Intrinsically Safe+ Ship Approval (Exia II C T6) I Intrinsically Safe (Exia II C T6) G Intrinsically Safe+ Flameproof Approval (Exd [ia] ia II C T6)																														
Material of Antenna/Process Temperature	Shape of Antenna/Material																														
B (U) Stainless Steel recombined with PTFE Flange DN50 C (U) Stainless Steel recombined with PTFE Flange DN80 D (U) Stainless Steel recombined with PTFE Flange DN100 X special customized	B (T) horn antenna Φ48mm/ Stainless Steel 316L C (T) horn antenna Φ78mm/ Stainless Steel 316L H (T) horn antenna Φ98mm/ Stainless Steel 316L I (T) horn antenna Φ98mm(extension)/ Stainless Steel 316L J (T) horn antenna Φ123mm/ Stainless Steel 316L K (S) horn antenna Φ98mm/PP/PTFE closure L (S) horn antenna Φ98mm(extension)/PP/PTFE closure M (V) horn antenna Φ98mm/Stainless Steel 316L/PTFE closure N (V) horn antenna Φ98mm(extension)/Stainless Steel 316L/PTFE closure P (V) horn antenna Φ123mm/Stainless Steel 316L/PTFE closure X special customized																														
Electronic	Process Connection/Material																														
A 4...20mA 2-Wire B 4...20mA HART (2-Wire) C 4...20 mA /22.8...26.4V DC/HART 2-wire/4-wire D 198...242V AC/HART 4-wire	GO no selection GA Thread 11/2NPT/Stainless Steel 316L GC Thread G11/2A/ Stainless Steel 316L/-60...+250°C GD Thread G11/2A/ Stainless Steel 316L/-60...+400°C,40MPa GE Thread G11/2A/ Stainless Steel 316L(Sweep) GP Thread G11/2A/ Stainless Steel 316L GB Thread G11/2A/PP																														
Housing/Protection	Flange Selection/Material																														
A Aluminium/IP67 B Plastic/IP66 D Aluminium (2-chamber)/IP67 G Stainless Steel 316L/IP67	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="font-size: small;">material specification code</th> <th style="font-size: small;">PP</th> <th style="font-size: small;">PTFE</th> <th style="font-size: small;">Stainless Steel</th> <th style="font-size: small;">Universal Joint(PP)</th> <th style="font-size: small;">Universal Joint(stainless steel)</th> </tr> </thead> <tbody> <tr> <td style="font-size: x-small;">DN50</td> <td style="font-size: x-small;">FA</td> <td style="font-size: x-small;">FB</td> <td style="font-size: x-small;">FC</td> <td style="font-size: x-small;">-</td> <td style="font-size: x-small;">-</td> </tr> <tr> <td style="font-size: x-small;">DN80</td> <td style="font-size: x-small;">GA</td> <td style="font-size: x-small;">GB</td> <td style="font-size: x-small;">GC</td> <td style="font-size: x-small;">-</td> <td style="font-size: x-small;">-</td> </tr> <tr> <td style="font-size: x-small;">DN100</td> <td style="font-size: x-small;">HA</td> <td style="font-size: x-small;">HB</td> <td style="font-size: x-small;">HC</td> <td style="font-size: x-small;">HD</td> <td style="font-size: x-small;">HE</td> </tr> <tr> <td style="font-size: x-small;">DN125</td> <td style="font-size: x-small;">IA</td> <td style="font-size: x-small;">IB</td> <td style="font-size: x-small;">IC</td> <td style="font-size: x-small;">ID</td> <td style="font-size: x-small;">IE</td> </tr> </tbody> </table>	material specification code	PP	PTFE	Stainless Steel	Universal Joint(PP)	Universal Joint(stainless steel)	DN50	FA	FB	FC	-	-	DN80	GA	GB	GC	-	-	DN100	HA	HB	HC	HD	HE	DN125	IA	IB	IC	ID	IE
material specification code	PP	PTFE	Stainless Steel	Universal Joint(PP)	Universal Joint(stainless steel)																										
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DN125	IA	IB	IC	ID	IE																										
Cable Entry	Seal/Process Temperature																														
M M20x1,5 N 1/2NPT	FO no selection FX special customized 2 Viton/-60...+150°C 3 Kalrez/-60...+250°C 4 Graphite/-60...+400°C																														
Display Programming	Electronic																														
A Yes X No	A 4...20mA 2-Wire B 4...20mA HART (2-Wire) C 4...20Ma/22.8...26.4V DC/HART 2-wire/4-wire D 198...242V AC/HART 4-wire																														
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Example: LM-RD-57PDCANA	A Aluminium/IP67 B Plastic/IP66 D Aluminium (2-chamber)/IP67 G Stainless Steel 316L/IP67																														
Example: LM-RD-58PBGCHB2AANA	Cable Entry																														
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26G Radar Level Measurements

LM-RD-59
Explosion Proof Approval
P Standard (Without Approval) I Intrinsically Safe (Exia II C T6) G Intrinsically Safe+ Flameproof Approval (Exd [ia] ia II C T6)
Shape of Antenna/Material
K (S) horn antenna Φ 98mm/PP/PTFE closure L (S) horn antenna Φ 98mm(extension)/PP/PTFE closure X special customized
Process Connection/Material
GB Thread G11/2A/PP GX special customized
Process Connection/Material
HA DN100 Flange/PP HD DN100 Universal-joint Flange/PP GX special customized
Seal/Process Temperature
2 Viton/-60...+80°C
Electronic
A 4...20mA 2-Wire B 4...20mA HART (2-Wire) C 4...20 mA /22.8...26.4V DC/HART 2-wire/4-wire D 198...242V AC/HART 4-wire
Housing/Protection
A Aluminium/IP67 B Plastic/IP66 D Aluminium (2-chamber)/IP67
Cable Entry
M M20x1.5 N 1/2NPT
Display Programming
A Yes X No
 Note: Version I (Exia II C T6) must be matched with electronic components B and housing A; Version G (Exd [ia] ia II C T6) must be matched with electronic components D and housing D; Refer to GB/T9119-2000 PN1.6MPa dimension for target configuration flange, 15 for thickness. Example: LM-RD-59PKGBHA2BANA