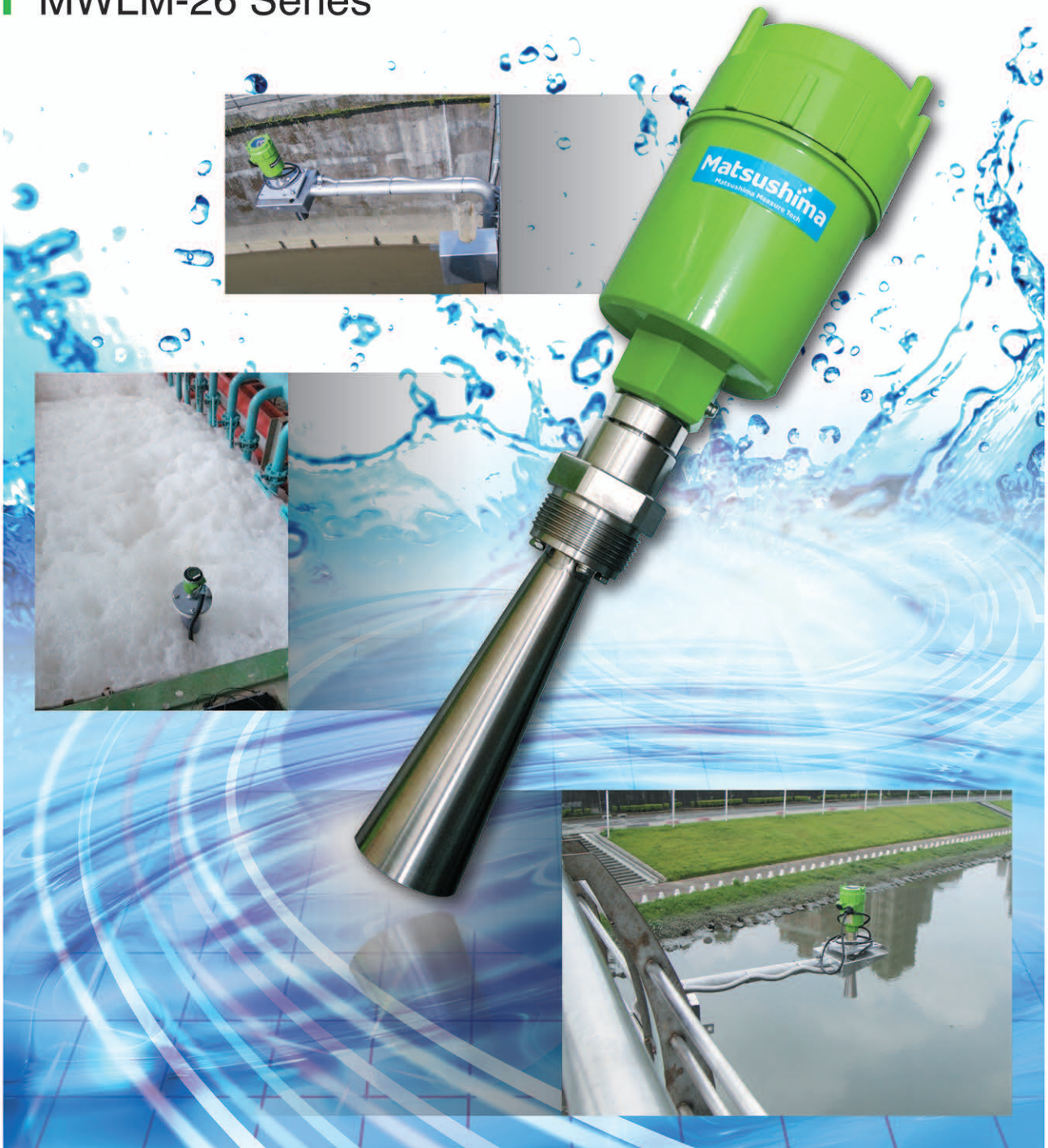


For Monitoring Water & Sewage Works and River
RADAR LEVEL TRANSMITTER

MWLM-26 Series





Advanced measurement performance for liquid and slurry applications

Wonderful reliability! Stable measurement through vapor, gas, waving!

Radar Level Transmitter with 26GHz band microwave high frequency technology providing stable measurement for liquid, slurry, sludge, foaming, waving, etc.

Widely applicable for water & sewage works, river, reservoir, factory wastage, sludge treatment, etc.

Various Customizations!

Possible to provide customization upon your request as this radar is our original development.

Meets requirements for any size of flange, mounting base, etc.

Anit-insect antenna cap available as well.

Incredible quick delivery!

Ex-factory on the next day if several units!

Ask us when you need it urgently or for emergent case!

Easy adjustment and maintenance!

Basic setting is only 4 parameters on LCD unit.

Language selectable from Japanese, English, Chinese or Korean.

Simple installation! Wiring 2-wire only!

Compact & Lightweight!

Save wiring cost as 2-wire powered HART system



Antenna variation

Variety of antennas for every applications.



■ Cone antenna



■ Mini antenna



■ Horn antenna



■ Flat antenna



■ Antenna cap

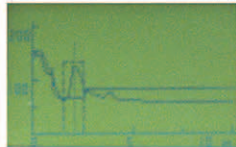
Operation



Adjustment by LCD unit on the Radar Itself.
Or, remote adjustment away from the site via 2-wire powered HART transmission system is possible as well.

Field adjustment

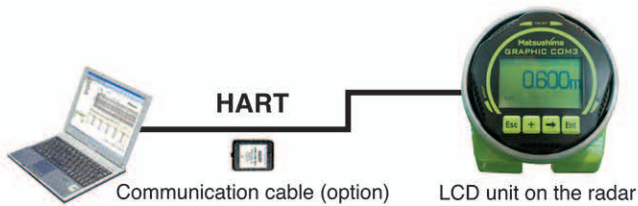
LCD adjustment unit "GRAPHIC COM3" has good visibility and adjustment with wave-form display is possible.



Real time indication for setting

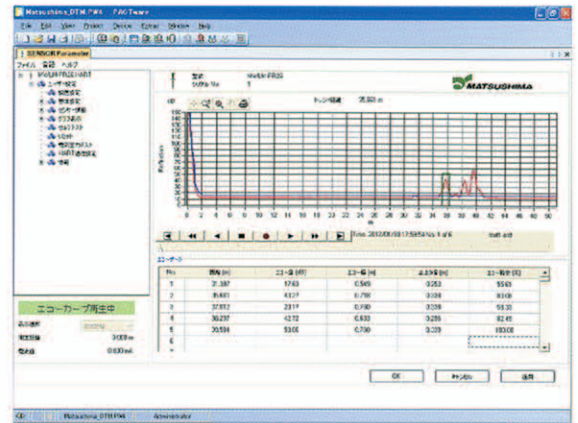
Remote adjustment

PC software provides further detail parameter setting.



Language selectable from Japanese, English, Chinese or Korean

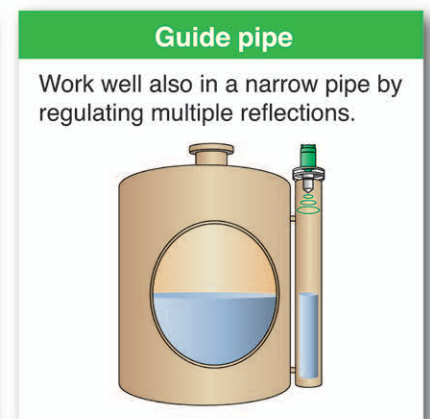
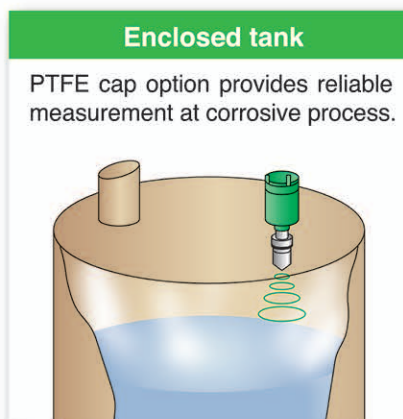
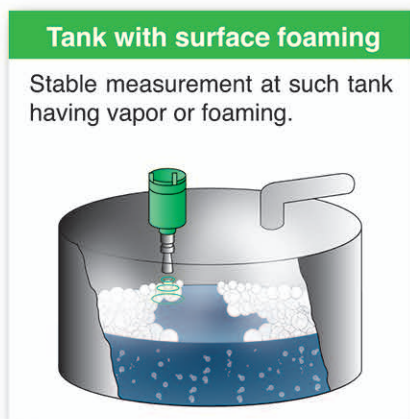
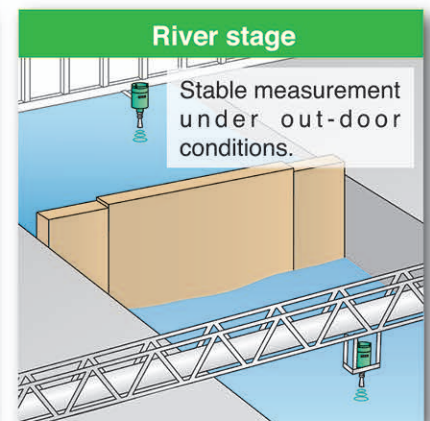
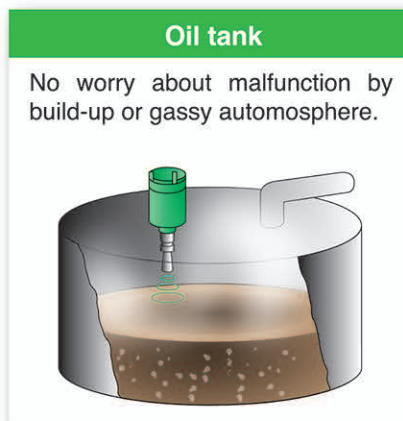
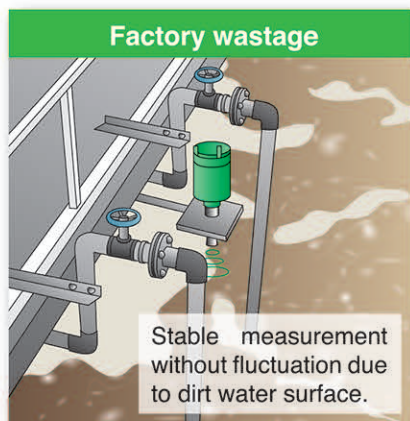
Parameters on PC software



- Real time trend indication and adjustment
- Trend recording
- Wave-form check and saving while monitoring

Reference Applications

Water & Sewage works, factory wastage, river stage, slurry tank, oil tan, gassy tank, foaming surface, vapor, reservoir, etc.

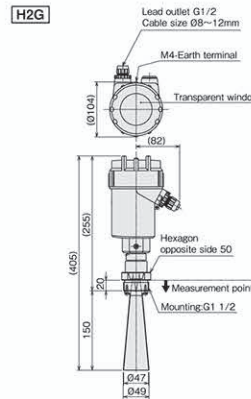
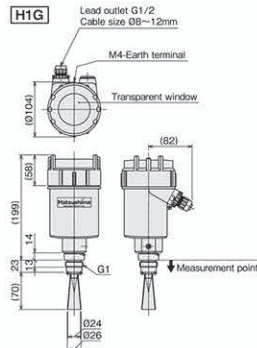
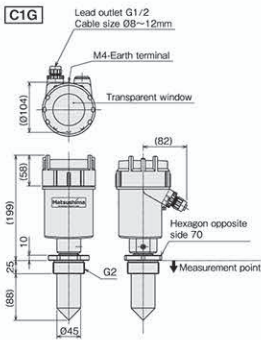


Specifications

Type	MWLM-PR26C		MWLM-PR26H			
Product code	MWLM-PR26C1G	MWLM-PR26H1G	MWLM-PR26H2G	MWLM-PR26H2F	MWLM-PR26H3G	MWLM-PR26H3F
Application	For liquid application					
Antenna	Cone	Horn (L=70mm)	Horn (L=150mm)		Horn (L=200mm)	
Power supply	DC20 to 32V					
Power consumption	Max. 704mW					
Mounting	G2 thread	G1 thread	G1-1/2 thread	JIS5K50A flange	G1-1/2 thread	JIS5K65A flange
Dead zone	0.5m below antenna			0.3m below antenna		
Max. measurable distance*	10.0m		20.0m		35.0m	
Transmitting frequency	approx. 26GHz					
Transmitting cycle	Every 83msec.					
Beam angle (-3dB)	approx.24deg. (side beam approx.48deg.)		approx.18deg. (side beam approx.36deg.)		approx.14deg. (side beam approx.28deg.)	
Resolution	1mm					
Max. level moving rate	10cm/s					
Accuracy	Repeatability	2m or below: ±30mm, Over 2m: ±20mm or ±0.04%F.S. whichever bigger				
	Temp. error	0.06%/10k				
Ambient temp.	Housing	-40 to +80degC (with LCD: -20 to +60degC) (Note: 1 hour warm-up required when temp. below -20degC.)				
	Antenna	-40 to +150degC				
Allowable pressure (Max.)	500kPa	1MPa		490kPa	1MPa	490kPa
Material	Housing	ADC				
	Antenna	PTFE	SUS304		SUS316L	
Protection	Housing	IP66 (Housing cover and lead outlet is closed.)				
	Antenna	IP67				
Lead outlet	1-G1/2 (applicable cable size: dia.8 to 12mm)					
Output signal	DC4 to 20mA x 1 (Load resistance when DC24V power applied: max.499Ω) HART communication					
Integral time	0 to 999s					
Mass	approx.1.9kg	approx.1.6kg	approx.1.9kg	approx.2.2kg	approx.2.3kg	approx.4.4kg
Accessories (option)	* LCD Adjustment unit (GRAPHIC COM3) * Data communication cable * PTFE antenna cap * Anti build-up antenna coating					

*from measurement reference zero point

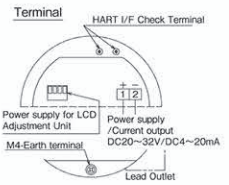
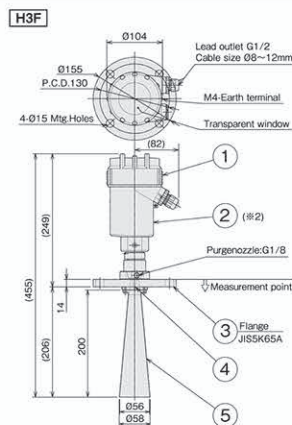
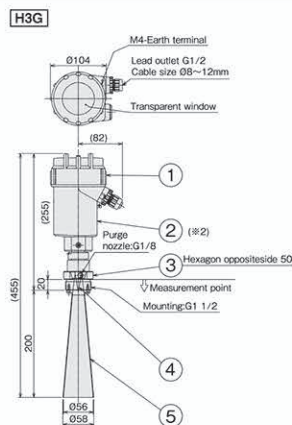
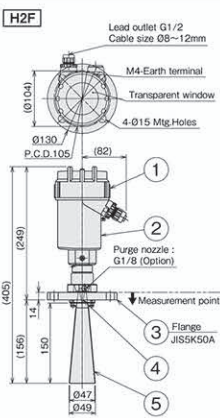
Dimension mm Model : MWLM-PR26



Connection



Power supply / DC20 to 32VDC
Output signal / DC4 to 20mA
HART communication



(#1) Please insure connection to earth.
(#2) The housing can be rotated by 310° without the use of any tools.

No.	DESCRIPTION	MATERIAL	QTY
5	Antenna	SUS316L	1
4	Cone	PTFE	1
3	Flange	SUS304	1
2	Housing	ADC	1
1	Cover	ADC	1

Specifications are subject to change without notice.
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Caution
● Read the instructions to ensure correct and suitable application of products.
● Contact our nearest sales office when using our products for any systems used in situations which may be life threatening.

Distributor



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