1. Application		—
2. TAG No.		—
3. Type		MWLM-PR26H
4. Code		MWLM-PR26H7GP
5. Power supply		DC13 to 36V * When mounting the LCD adfjustment unit：16 to 36V
6. Power consumption		800mW
7. Mounting		JIS10K150A FF
8. Dead zone		0.3m below the antenna
9. Max. measuring distance		70.0m * from measurement reference zero point
10. Transmitting frequency		Approx. 26GHz
11. Transmitting cycle		every 83ms
12. Beam angle (-3dB)		Approx. 8deg. (16deg including side beam)
13. Resolution		1mm
14. Allowable fluctuation rate		10cm/s
15. Accuracy		≦1.2m：o20mm、 >1.2m：o10mm
16. Temp. error		o0.03% / 10K , Max.o0.3%
17. Ambient temp.	Housing	-40 to +80℃ (with LCD: -20 to +60℃) (1h warm-up operation required under -20℃)
	Antenna	-40 to +150℃
18. Allowable pressure		Max.500kPa
19. Protection		IP67（Housing cover and lead outlet must be closed.）
20. Lead outlet		Power･Signal Con.
21. Output signal		DC 4 to 20mA I 1 （Max. 650Ω resistive load at DC24V）
22. Integration time		0 to 999s
23. Mass		Approx. 60 kg / pc.
24. Painting color		Munsell 7.5GY6/10
25. Quantity		1 pcs
26. Utility	Cooling Air	Flow rate 226～368NL/min Pressure 0.4～0.7MPa Temperature 35°C Below
	N2 Purge	Flow rate 147NL/min Differential pressure as compared with in-furnace pressure 0.1MPa or over. Temperature 35℃ Below
27. Measuring and Process Condition	Measuring span	(※1)
	Material to measured	
	Particle size	
	Level variation speed	
	Bulk density	
	Angle of repose	
	Material temperature	
	Ambient temperature	
	Process temerature	
	Process pressure	
	Fume	
	Moisture content	
28. Accessories(Options)		LCD Adjustment unit(GRAPHIC COM4) I1 pcs Cooling Box I1 pcs

（※1） It shows factory setting parameters and may change at the site according to the actual measurement conditions.

(Remaks) ① Measuring range and accuracy specified above is of standard catalog specification and may change according to measurement conditions.
② Make sure that lead outlet is securely fastened.
Otherwise, it may cause malfunction due to ingress of water.
③ No noise/surge and Ripple (P-P) 10% or below is required at instrumentation power applied.
④ Such installation that tip of the antenna protrudes in vessel from edge of nozzle is recommended.
⑤ Such proetective measures to keep no freezing/condensation in electronics part is required.
⑥ Note that some kind of gas or fume may penetrate PTFE cone part and cause malfunction.
Please take special note especially for corrosive gasa such as H2S, HCl, HF, etc.

MESSRS	E.S.T.No. 4220043	△			
ORDER.No.	ACCEPT.No.	△			
Matsushima Measure Tech	TITLE	△			
	Specification of Radar Level Transmitter	-	May 26.2022	H.Matsuo	D.Inoue
	MWLM-PR26H (MWLM-PR26H7GP)	No.	DATE	CHECK'D	APP'D

REV. No.	△	REV. DATE
REVISED		APPROVED
REMARKS		

冷却エアー COOLING AIR
226～368NL/min
SUPPLY PRESSURE：0.4～0.7MPa

エアフィルターセット
Air filter set

冷却エアー
COOLING AIR

電気室
ELECTRIC ROOM

供給電源
POWER SUPPLY
AC85～264V 50/60Hz
単相 SINGLE-PHASE

出力 OUTPUT
・レベル出力 LEVEL OUTPUT
4~20mA

DC24V 電源
ディストリビュータ
DC24V
Loop power supply

HART通信
HART communication

供給電源 POWER SUPPLY
AC90～264V 50/60Hz
単相 SINGLE-PHASE

調整用PC
MAINTENANCE
P.C.

通信用モデム
(PC接続ケーブル付)
PC data communication cable

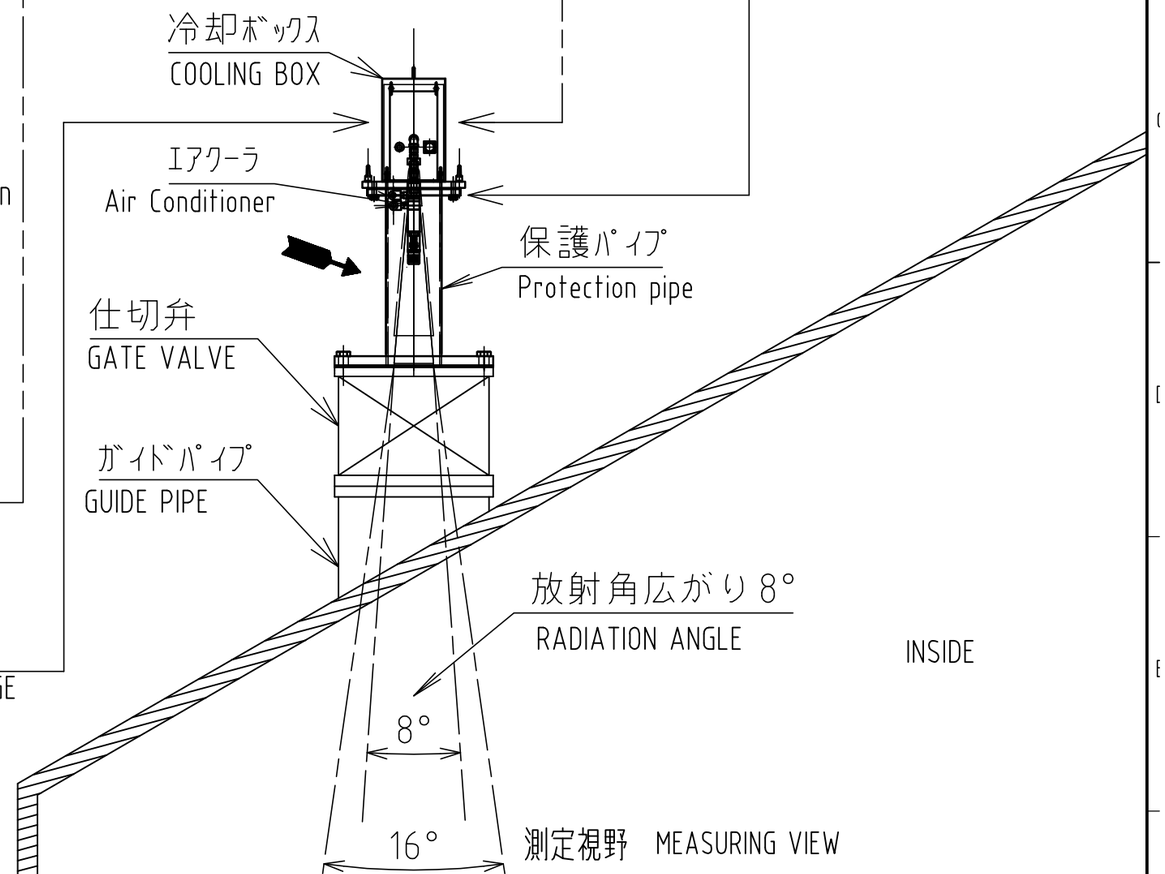
N2 パージ N2 PURGE
147NL/min
炉内圧+0.1MPa 以上
(SUPPLY PRESSURE SHOULD BE AT LEAST 0.1MPa HIGHER THAN FURNACE TOP PRESSURE.)

エアフィルターセット
Air filter set

圧力スイッチ
PRESSURE SWITCH

N2 パージ
N2 PURGE

印は、納入範囲を示す
shows the scope of supply



SCALE	DATE	APPROVED	TITLE
Not to scale	May 27. 2022	D. Inoue	レーダー式マイクロ波レベル計 構成図
UNITS	DRAWN	CHECKED	CONSTRUCTION DIAGRAM OF RADAR LEVEL TRANSMITTER
mm	H. Matsuo	H. Matsuo	

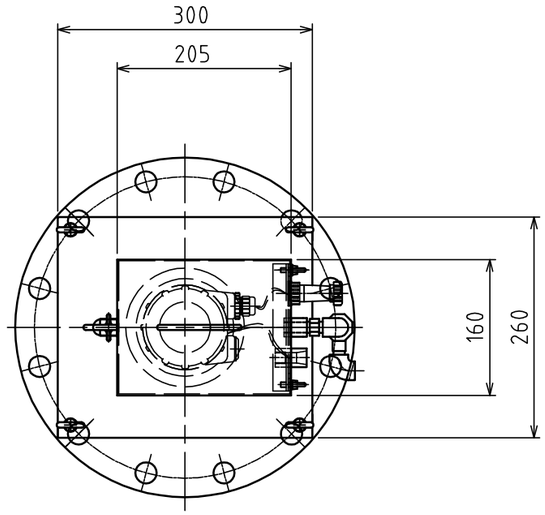
Matsushima
Matsushima Measure Tech

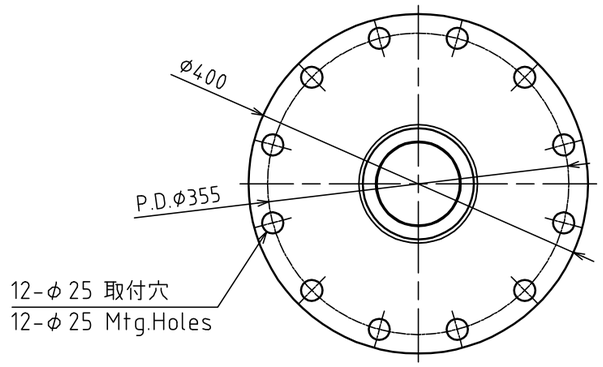
DRAWING NO. 4220043-10

REV. No. △

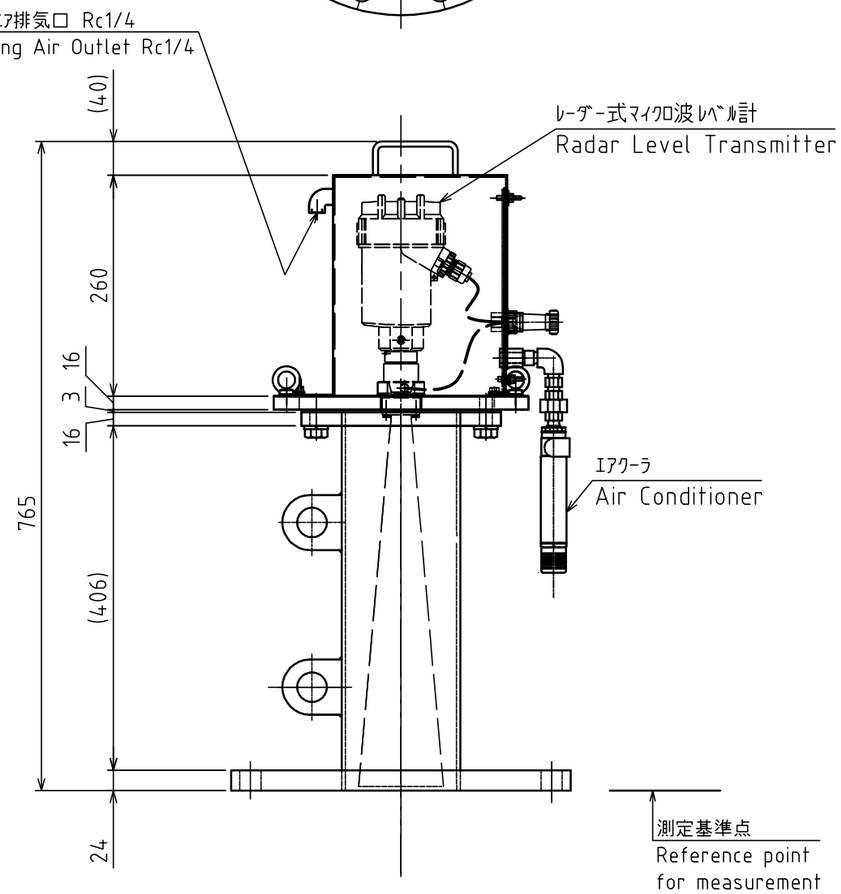
TYPE	MWLM-PR26H
CODE	MWLM-PR26H7GP

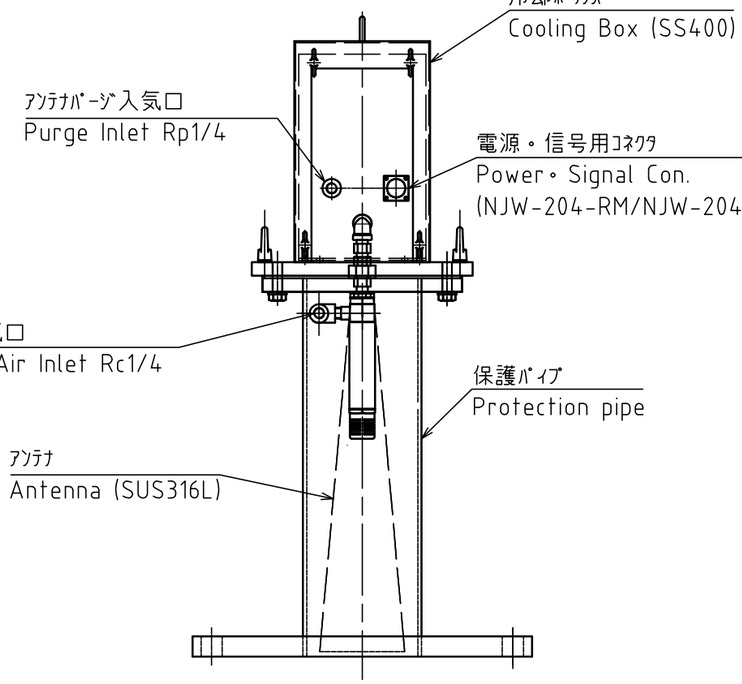
REV. No.	REV. DATE
REVISED	APPROVED
REMARKS	

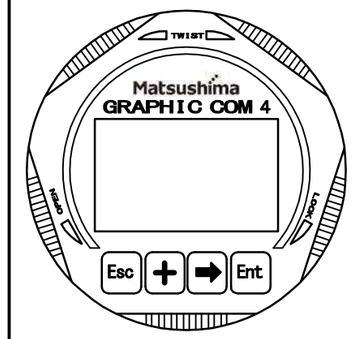




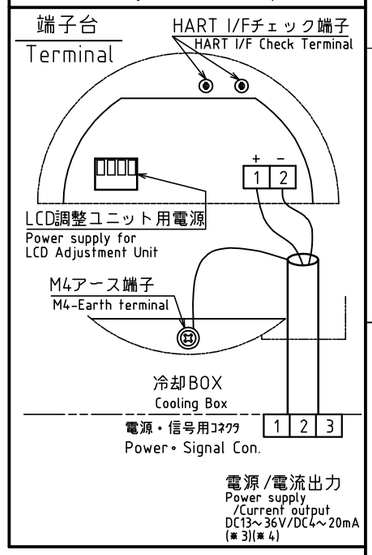
JIS10K250A FF
据付面詳細図
Mounting face detailed drawing







LCD 調整ユニット（オプション）
LCD Adjustment unit (Option)



(※1) 必ず接地して下さい。（D種接地）
Please insure connection to earth.
(※2) ハウジングは310°範囲で回転します。
The housing can be rotated by 310° without the use of any tools.
(※3) LCD調整ユニットを取り付けるときは16V～36Vにして下さい。
When mounting the LCD adjustment unit, set it from 16V to 36V.
(※4) 推奨：2線シールドケーブル
Recommended cable:Two wire shield cable.

SCALE	DATE	APPROVED	TITLE
1:7	May 27. 2022	D. Inoue	レーダー式マイクロ波レベル計外形図
UNITS	DRAWN	CHECKED	DIMENSION DIAGRAM OF RADAR LEVEL TRANSMITTER
mm	H. Matuso	H. Matuso	

Matsushima
Matsushima Measure Tech

DRAWING NO. 4220043-20
REV. No. △