



bar

MDM7000-GP-T/AP-T



























Model	Nominal range	Minimum range	Lower (LRL)	Upper (URL)	Overload
	0.4bar	0.1bar	-0.4bar	0.4bar	10bar
	2.5bar	0.25bar	-1bar	2.5bar	40bar
GP-T	10bar	1bar	-1bar	10bar	60bar
	30bar	3bar	-1bar	30bar	150bar
	100bar	10bar	-1bar	100bar	200bar
	0.4bar	0.2bar	Obar	0.4bar	10bar
AP-T	2.5bar	0.5bar	Obar	2.5bar	40bar
	10bar	2bar	0bar	10bar	60bar

 $LRV/URV \ setting: the \ lower \ limit \ value \ (LRV) \ and \ upper \ limit \ value \ (URV) \ are \ achieved \ between \ the \ upper \ and \ lower \ limits. \ LRV \le IURV- \ LRVI \le URV.$ Overload: This is the sensor overload pressure, and the actual overload pressure depends on the connection specifications during the connection process.



ACCURACY

- 1. Stated reference accuracy include best fit straight line(BFSL), hysteresis, and repeatability as per the standard and reference test
- Total performance include indoor temperature accuracy and ambient temperature effects, based on DN50 flange and 316L material.

	GP-T	TD≤5	±0.1%SPAN	0.4bar, 2.5bar,
Linear output	GF-1	5 <td<10< td=""><td>±0.2%SPAN</td><td>10bar,30bar,100bar</td></td<10<>	±0.2%SPAN	10bar,30bar,100bar
accuracy	ADT	TD≤5	±0.1%SPAN	0.4har 2.5har 10har
	AP-T	5 <td<10< td=""><td>±0.2%SAPN</td><td>0.4bar, 2.5bar,10bar</td></td<10<>	±0.2%SAPN	0.4bar, 2.5bar,10bar

Note: TD(Turn down) represents the range ratio, TD= Maximum range / Current range. [Maximum range = URL (same as factory calibration range); Current range = SPAN (equivalent to |URV-LRV|)].

SPECIFICATIONS

GP-T Accuracy	±0.1%, ±0.2%URL
AP-T Accuracy	±0.1%, ±0.2%URL
GP-T Range	0.4bar~100bar, see the Order Guide for details
AP-T Range	0.4bar~10bar, see the Order Guide for details
Ambient temperature effects	The total effect per 10°C in the range of -20°C ~80°C : (0.5+0.15TD)%SPAN
Voltage effects	When the power supply voltage changes within 10.5V/16.5V~55V DC, its zero point and range change should not exceed ±0.005% URL/V
Mounting position effects	The installation of the transmitter may produce a zero point error, which can be corrected by PV (primary value) =0 reset without any effect on the range.
Vibration effects	< 0.1% SPAN as per GB/T18271.3/IEC61298-3
Output signal	4mA~20mA DC, HART
IP rating	IP67
Weight	Net: about 1.61kg (body)

EMC EFFECTS

SN	Test items	Basic Standards	Test Conditions	Performance Level
1	Radiated interference (Case)	GB/T 9254.1/CISPR 32	30MHz~1000MHz	Qualified
2	Conducted interference (DC power port)	GB/T 9254.1/CISPR 32	0.15MHz~30MHz	Qualified
3	Electrostatic discharge (ESD) immunity test	GB/T 17626.2/IEC61000-4-2	8kV (Contact), 8kV (Air)	В
4	Radiated, radio-frequency, electromagnetic field immunity test	GB/T 17626.3/IEC61000-4-3	10V/m (80MHz~1GHz)	А
5	Power frequency magnetic field immunity test	GB/T 17626.8/IEC61000-4-8	30A/m	А
6	Electrical fast transient / burst Immunity test	GB/T 17626.4/IEC61000-4-4	4kV (5/50ns,100kHz)	В
7	Surge immunity test	GB/T 17626.5/IEC61000-4-5	1kV (line to line) 2kV (line to ground) (1.2us/50us)	В
8	Immunity to conducted disturbances induced by radio-frequency fields	GB/T 17626.6/IEC61000-4-6	3V (150kHz~80MHz)	А

Note: At performance level A, the performance is normal within the limits of the technical specifications.

At performance level B, functions or performance are temporarily reduced or lost, but can be restored by themselves, and the actual operating conditions, storage and data remain unchanged.



ENVIRONMENTAL CONDITIONS

Items	Conditions
Operating temperature	Without LCD display: -40°C ~85°C ; with LCD display: -20°C ~70°C
Storage temperature	Without LCD display: -40°C ~100°C ; with LCD display: -40°C ~85°C
Operating humidity	5%RH~100%RH@40°C

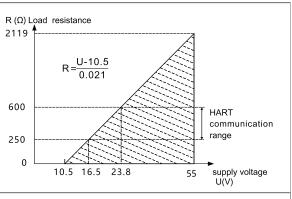
DIAPHRAGM OPERATING TEMPERATURE

Filling oil type ①	Code	Medium temperature	Diaphragm ambient temperature
Normal temperature silicone oil	S	-40°C ~ 205°C	-40°C ~ 85°C
Inert filling oil	D	-45°C ~ 160°C	-40°C ~ 85°C
High temperature silicone oil	Н	0°C ~ 315°C	0°C ~ 85°C

Note: 1 This item is related to the type of silicone oil filled and the o-ring; the temperature range of non-silicone oil is limited to the lowest material temperature range in the system. For short-pipe explosion-proof products, users need to ensure that the surface temperature of the shell is not higher than 80°C. If uncertain, the medium temperature must be ensured not to be higher than the T6/T80°C temperature group.

POWER SUPPLY AND LOAD REQUIREMENTS

Items	Conditions
	HART communication protocol: 16.5V~55V DC ①
Power supply voltage	Intrinsically safe HART communication protocol: 18.5V~28V DC
Load resistance	0Ω ~2119 Ω ② for operation mode; 250 Ω ~600 Ω for HART communication
Transmission distance	<1000m
	Power consumption
4mA~20mA	≤500mW@24V DC, 20.8mA



Note: ① Non intrinsically safe power supply voltage can be selected as 10.5V. Please consult engineers for details. ② 2119 Ω =(55V-10.5V)/21mA

TIME INDEX

Damping time constant: equals to the combined damping time of electronic components and sensor module

Electronic components damping time: 0s~100s configurable

Sensor module damping time(sensor isolated diaphragm and filled silicone oil):≤ 0.2s

(Note: This item is related to the sensor type and whether there is a diaphragm component.)

Turn-on time: ≤6s

Factory reset time: ≤31s



HAZARDOUS AREA

	PCEC	Ex db IIC T6 Gb Ex ia IIC T4 Ga
	NEPSI	Ex tb III C T85°C Db
	ATEX	Ex ia IIC T4 Ga II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Hazardous area ①	IECEX	Ex ia IIC T4 Ga Ex db IIC T6 Gb Ex tb IIIC T80°C Db
	CSA	Class I, Division 1, Group A, B, C and D T6 Class II, Division 1 Group E, F and G T80°C Class III Ex db IIC T6 Gb Class I, Zone 1, AEx db IIC T6 Gb Ex tb IIIC T80°C Db Zone 21, AEx tb IIIC T80°C Db
Note: (1) Please consult enginee	ore for dotails	

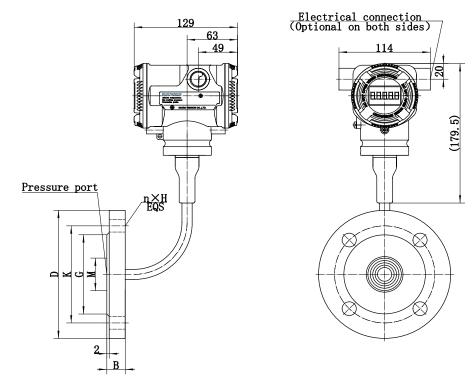
Note: ① Please consult engineers for details.

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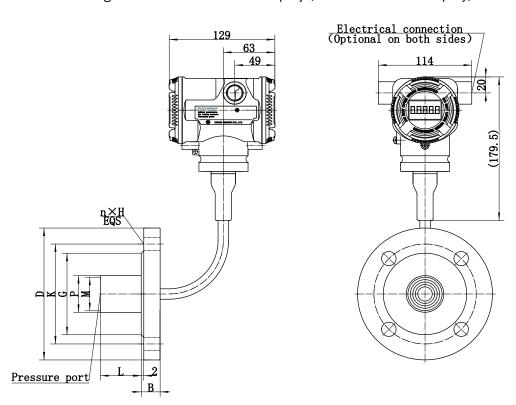


Note: The gland head is sent as an accessory with the product when it leaves the factory, and it is to be installed by the user.

Remote Flange With Display (Same as Without Display)

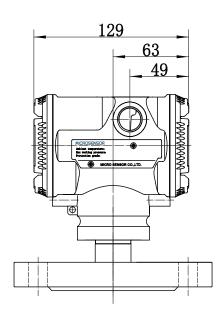


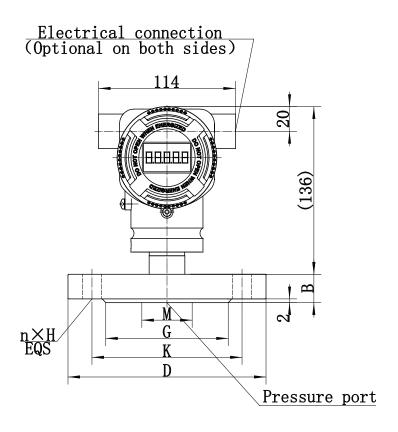
Remote Flange Insertion Sleeve With Display (Same as Without Display)



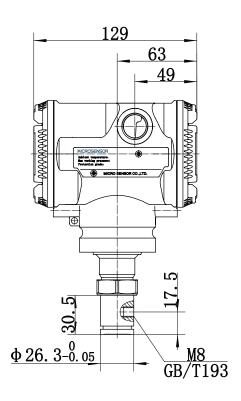


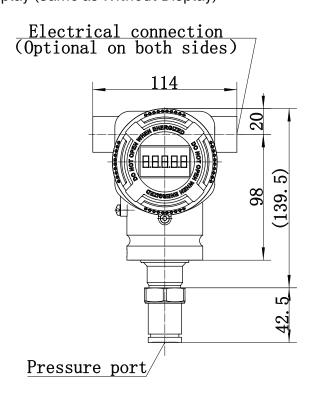
Direct Mounted Single Flange With Display (Same as Without Display)





Direct Mounted Single Thread With Display (Same as Without Display)







 $\mathsf{MDM7000\text{-}GP\text{-}T/AP\text{-}T} - \square \square \square \square \square - \square - \mathsf{SF} - \square \square \square \square \square \square$ Remote Fixed Flange Diaphragm

		Body	Re	mote Fixed Flang	e Diaphragm	
Items	Code	Description				
MDM7000-GP-T	_	Monocrystalline Silicon Pressure Transmitter V	Vith Remote	Diaphragm Seal (F	Remote Fixed Fla	nge)
MDM7000-AP-T	_	Monocrystalline Silicon Pressure Transmitter V	Vith Remote	Diaphragm Seal (F	Remote Fixed Fla	nge)
	_					
Application of haz	ardous a	irea				
	1	China, Flameproof certificate, No.CE23.6650 Ex db IIC T6 Gb, GB/T3836.1-2021, GB/T3836	6.2-2021			PCEC
	2	China, Intrinsically safe certificate, No.CE23.76 Ex ia IIC T4 Ga, GB/T3836.1-2021, GB/T3836				
	3	China, Dust explosion-proof certificate, GYB24 Ex tb III C T85°C Db, GB/T3836.1-2021, GB/T		021		Ex
	4	China, Flameproof certificate, Intrinsically safe	certificate			WEFSI
	A	CSA, Flameproof certificate				
	В	CSA, Intrinsically safe certificate				T (SP°
	С	CSA, Flameproof certificate, Intrinsically safe of	certificate			c us
	E	ATEX, Flameproof certificate				
	F	ATEX, Intrinsically safe certificate				(Ex)
	G	ATEX, Flameproof certificate, Intrinsically safe	certificate			
	J	IECEx, Flameproof certificate				~
	K	IECEx, Intrinsically safe certificate				IEC IECEx
	L	IECEx, Flameproof certificate, Intrinsically safe	e certificate			
	0	Non-hazardous area				
	Т	Other certificate				-
Output signal	Н	4mA~20mA DC, HART				HART COMMUNICATION PROTOCOL
	S	Stainless steel case with two outlet ports (F) M	l20×1.5			
Cooo	U	Stainless steel case with two outlet ports (F) 1	/2NPT			
Case	Р	Aluminum alloy case with two outlet ports (F) I	M20×1.5			
	N	Aluminum alloy case with two outlet ports (F) 2	1/2NPT			
Note: Please pay a	ttention	to the item of lithium battery (Code: LD)				
Waterproof/explos	ion-proo	f connector				Committee
		Specification	Material	Applicable wire diameter	IP rating	
	1	M20×1.5 waterproof connector, with plug	PVC	6mm~8mm	IP67	
	2	Non-flameproof adapter (F) M20×1.5, with plug	316 SS	6mm~8mm	IP67	ja njihi
	3	Flameproof adapter (F) 1/2NPT, with plug	316 SS	6mm~8mm	IP67	
	4	Flameproof adapter (F) M20×1.5, with plug	316 SS	6mm~8mm	IP67	
	5	Flameproof adapter (F) G1/2, with plug	316 SS	6mm~8mm	IP67	
Note: Flameproof engineer if double		ation is applicable to PCEC/ATEX/IECEx standa is required.	ards. Flame _l	proof adapter with	CCC certificate	. Please contact the
	N	Without LCD display				
Display	L	Display module, -20°C ~70°C				

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2 3 4 5 6	Nominal range 0.4bar 2.5bar	Minimum range 20mbar	Lower (LRL)	Upper (URL)	Overload	
3 4 5 6	2.5bar	20mbar				
4 5 6			-0.4bar	0.4bar	10bar	
5		125mbar	-1bar	2.5bar	40bar	
6	10bar	0.5bar	-1bar	10bar	60bar	
	30bar	1.5bar	-1bar	30bar	150bar	
2	100bar	5bar	-1bar	100bar	200bar	
	0.4bar	0.2bar	0bar	0.4bar	10bar	
3	2.5bar	0.5bar	0bar	2.5bar	40bar	
4	10bar	2bar	0bar	10bar	60bar	
Т	Direct moun	ted				
Н	Double flang	e diaphragm seals				
_						
S	Pressure tra	nsmitter				
F	Remote fixed	d flange				
_						
2	HG/T-20592	2				
1	EN1092-1					
5	HG/T-20615	5				
6	ANSI/ASME	B16.5				
			Applicable standard	d		
В		DN50	HG/T-20592, EN109	92-1		
С		DN80	HG/T-20592, EN109	92-1		
D	ı	DN100	HG/T-20592, EN109	92-1		
2		2inch	HG/T-20615, ANSI/	ASME B16.5		
3		3inch	HG/T-20615, ANSI/	ASME B16.5		
4		4inch	HG/T-20615, ANSI/	ASME B16.5		
			Applicable standar	d	Applicable flange diameter	
1	PN10/PN16		HG/T-20592, EN109	92-1	DN50, DN80, DN100	
2	PN25/PN40		HG/T-20592, EN109	92-1	DN50, DN80, DN100	
3	PN63		HG/T-20592, EN109	92-1	DN50, DN80	
4	PN100		HG/T-20592, EN109	92-1	DN50, DN80	
А	Class 150		HG/T-20615, ANSI/	ASME B16.5	2inch, 3inch, 4inch	
В	Class 300		HG/T-20615, ANSI/	ASME B16.5	2inch, 3inch, 4inch	
С	Class 600		HG/T-20615, ANSI/	ASME B16.5	2inch, 3inch	
n static	pressure or o	verload depends o	n the flange pressure	class	•	
6	316 SS					
1	RF Raised su	ırface				
А	FM Concave	surface				
В						
С						
_	F - 2 1 5 6 B C D 2 3 4 1 2 3 4 A B C 1 static 6 1 A B C	F Remote fixed F Remote fixed HG/T-20592 1 EN1092-1 5 HG/T-20615 6 ANSI/ASME B C D 1 PN10/PN16 2 PN25/PN40 3 PN63 4 PN100 A Class 150 B Class 300 C Class 600 n static pressure or or or of 316 SS 1 RF Raised su A FM Concave B M Convex su C RJ Annular of	F Remote fixed flange HG/T-20592 HG/T-20615 ANSI/ASME B16.5 B DN50 C DN80 D DN100 2 2inch 3 3inch 4 4inch PN10/PN16 2 PN25/PN40 3 PN63 4 PN100 A Class 150 B Class 300 C Class 600 C Static pressure or overload depends or 6 316 SS R F Raised surface A FM Concave surface B M Convex surface C RJ Annular connection surface	Pressure transmitter	F Remote fixed flange	Pressure transmitter



Wetted parts mater	ial	Please see the material list of	f wetted parts for details		
·		Blind	·	Measuring diaphragm	
	6A	316 S	S	316L	
	6B	316 S	S	Hastelloy C-276	
	6C	316 S	S	Tantalum (Only available for range > 2.5bar)	
	6D	316 S	S	Titanium	
	6E	316 S	S	Monel(Only available for range > 2.5bar)	
Capillary connection location	К	Rear connection			
Capillary type	U	3.5mm OD (or 1/8 inch), armo	ored 316L SS, PVC gray s	heath	
	L	3.5mm OD (or 1/8 inch), armo	ored 316L SS, stainless s	teel bellows sheath	
Capillary length			Applical	ole flange diameter	
			DN50/2inch	DN80/3inch DN100/4inch	
	1	1m			
	2	2m			
	3	3m			
	4	4m			
	5	5m			
	6	6m	×		
	7	7m	×		
	8	8m	×		
	9	9m	×		
	Α	10m	×		
Note: "×" means ur	navailab	le; the part beyond the length	will be selected accord	ing to the next level of meters.	
	S	Normal temperature silicone	oil(Medium temperature	:-40°C ~205°C , diaphragm ambient environment:-40°C ~85	5°C)
Low pressure side fill oil	D	Inert oil (Medium temperatur	e: -45°C ~160°C ,diaphra	agm ambient environment:-40°C ~85°C)	
	Н	High temperature silicone oil	(Medium temperature: 0	°C ~315°C , diaphragm ambient environment: 0°C ~85°C)	
Factory calibration range	CAL	Provide Micro Sensor standar Contract specifies: LRL - URL		ed on the range, default linear output	
Options		Description (Detailed specif	ications as following, m	ultiple options or null)	
High vacuum high temperature	/V	High vacuum and high tempe only up to 0.2%)	rature process diaphragn	n (if this option is selected, the accuracy will be affected and	can
Mounting bracket accessories	/G1	Bending Bracket, 316 SS			
Calibration report	/Q1	Provide the Micro Sensor veri Contract specifies: LRL - URL	0	·	
Note: Standard for	mat foll	ows the Micro Sensor's specifi	ications. Select this opti	on and provide the template if the customer specifies a for	mat.
Damping time setting	/ST	Adjustable range 0s~100s, de Contract specifies: Damping			
	/WH	High alarm current value, 20.	8mA		
Fault alarm	/WL	Low alarm current value, 3.8r	mA, default		
setting	/WS	Other saturation current value Contract specifies: Fixed cur		ange of 3.6mA~3.8mA or 20mA~22mA	
Product certificate	/QE	Standard format follows the N specifies a format.	Micro Sensor's specificati	ons. Select this option and provide the template if the custor	mer
Identification plate	/PT	Product is shipped with a idea Contract specifies: Identifica		ing 16 characters*	



	/QS1	Nitrogen (N2) or air, 60mbar, pressure holding for 1 minute, provide Micro Sensor sta	
	/QS2	Nitrogen (N2) or air, 0.4bar, pressure holding for 1 minute, provide Micro Sensor star	ndard leakage test report
Leakage test	/QS3	Nitrogen (N2) or air, 2.5bar, pressure holding for 1 minute, provide Micro Sensor star	ndard leakage test report
report	/QS4	Nitrogen (N2) or air, 10bar, pressure holding for 1 minute, provide Micro Sensor stan	dard leakage test report
	/QS5	Nitrogen (N2) or air, 30bar, pressure holding for 1 minute, provide Micro Sensor stan	dard leakage test report
	/QS6	Nitrogen (N2) or air, 100bar, pressure holding for 1 minute, provide Micro Sensor sta	indard leakage test report
Note: Test pressur	e is equa	al to the sensor range	
HART configuration	/H5	HART5 configuration	
Diaphragm with gold plated	/J1	Single diaphragm with gold plated (5μ)	
Diaphragm spraying	/T1	High pressure side single flange	
Diaphragm sticking	/PFA	The diaphragm is stuck with PFA film, applicable to non-vacuum situations (pressure	e ≥ 0)
Note: Only availab	le for dia	phragm selection with flange size ≥ 50mm	
Oil-free treatment	/CL1	Degreasing and cleaning treatment of the wetted parts	
Note: Please chec	k the fill	oil. Determine whether the inert filling oil is required (code: D).	
Note: Please chec	k the fill /CS1	oil. Determine whether the inert filling oil is required (code: D). CCS, China Classification Society, TJ23PTB00014	
Note: Please chec			
Note: Please chec	/CS1	CCS, China Classification Society, TJ23PTB00014	
	/CS1 /CS2	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas	
	/CS1 /CS2 /CS3	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas	
	/CS1 /CS2 /CS3 /CS4	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping	
	/CS1 /CS2 /CS3 /CS4 /CS5	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping	
	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping	
Certificates	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6 /CS7	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping NK, Nippon Kaiji Kyokai	
Certificates Note: Except for tl	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6 /CS7	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping NK, Nippon Kaiji Kyokai RS, Russian Maritime Register of Shipping	
Certificates Note: Except for tl Lithium battery	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6 /CS7 /CS8	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping NK, Nippon Kaiji Kyokai RS, Russian Maritime Register of Shipping ertificate, please consult the engineer for others.	uracy*
Certificates Note: Except for tl Lithium battery High-accuracy	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6 /CS7 /CS8 me CCS cc	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping NK, Nippon Kaiji Kyokai RS, Russian Maritime Register of Shipping ertificate, please consult the engineer for others. General requirements for low copper and zinc in the lithium battery industry High-accuracy calibration according to the user's specified range	uracy*
Certificates Note: Except for tl Lithium battery High-accuracy Language	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6 /CS7 /CS8 ne CCS CC /LD /HAC	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping NK, Nippon Kaiji Kyokai RS, Russian Maritime Register of Shipping ertificate, please consult the engineer for others. General requirements for low copper and zinc in the lithium battery industry High-accuracy calibration according to the user's specified range Contract specifies: Range of use (within sensor's limit), LRL - URL, display unit, accuracy	uracy*
Note: Except for the Lithium battery High-accuracy Language Delivery service Extended	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6 /CS7 /CS8 ne CCS cc /LD /HAC	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping NK, Nippon Kaiji Kyokai RS, Russian Maritime Register of Shipping ertificate, please consult the engineer for others. General requirements for low copper and zinc in the lithium battery industry High-accuracy calibration according to the user's specified range Contract specifies: Range of use (within sensor's limit), LRL - URL, display unit, accuracy in the lithium battery industry English nameplate, operation manual, product certificate, etc.	uracy*
Note: Except for the Lithium battery High-accuracy Language Delivery service	/CS1 /CS2 /CS3 /CS4 /CS5 /CS6 /CS7 /CS8 me CCS cc /LD /HAC /LE /XM	CCS, China Classification Society, TJ23PTB00014 DNV, Det Norske Veritas BV, Bureau Veritas ABS, American Bureau of Shipping LR, Lloyd's Register of Shipping KR, Korean Register of Shipping NK, Nippon Kaiji Kyokai RS, Russian Maritime Register of Shipping ertificate, please consult the engineer for others. General requirements for low copper and zinc in the lithium battery industry High-accuracy calibration according to the user's specified range Contract specifies: Range of use (within sensor's limit), LRL - URL, display unit, accu- English nameplate, operation manual, product certificate, etc. Provide customer requested content according to project delivery standards	uracy*



 $\mathsf{MDM7000\text{-}GP\text{-}T/AP\text{-}T} \ - \square \square \square \square \square - \square - \mathsf{SE} \ - \ \square \square \square \square \square \square$ Body Remote Fixed Flange Insertion Sleeve Diaphragm

Items	Code	Description							
MDM7000-GP-T	_	Monocrystalline Silicon Pressure Transmitter W	Monocrystalline Silicon Pressure Transmitter With Remote Diaphragm Seal (Remote Fixed Flange Insertion Sleeve)						
MDM7000-AP-T	_	Monocrystalline Silicon Pressure Transmitter W							
	_								
Application of haz	ardous a	rea							
	1	China, Flameproof certificate, No.CE23.6650 Ex db IIC T6 Gb, GB/T3836.1-2021, GB/T3836	5.2-2021			(PCEC		
	2	China, Intrinsically safe certificate, No.CE23.76 Ex ia IIC T4 Ga, GB/T3836.1-2021, GB/T3836							
	3	China, Dust explosion-proof certificate, GYB24 Ex tb III C T85°C Db, GB/T3836.1-2021, GB/T		021			E× NEPSI		
	4	China, Flameproof certificate, Intrinsically safe	certificate						
	Α	CSA, Flameproof certificate				,			
	В	CSA, Intrinsically safe certificate					SP ®		
	С	CSA, Flameproof certificate, Intrinsically safe c	ertificate			C	US		
	Е	ATEX, Flameproof certificate				/			
	F	ATEX, Intrinsically safe certificate					$\langle x^2 \rangle$		
	G	ATEX, Flameproof certificate, Intrinsically safe	certificate			•			
	J	IECEx, Flameproof certificate				150	77.		
	K	IECEx, Intrinsically safe certificate				IEC	IECEX		
	L	IECEx, Flameproof certificate, Intrinsically safe	e certificate			•			
	0	Non-hazardous area							
	Т	Other certificate							
Output signal	Н	4mA~20mA DC, HART				COMMUNICA	ATION PROTOCO		
	S	Stainless steel case with two outlet ports (F) M	20×1.5				A)C)		
2	U	Stainless steel case with two outlet ports (F) 1,	/2NPT						
Case	Р	Aluminum alloy case with two outlet ports (F) i							
	N	Aluminum alloy case with two outlet ports (F) 2	1/2NPT						
Note: Please pay a	attention	to the item of lithium battery (Code: LD)							
Waterproof/explos	ion-proo	f connector					(5.1)		
	· ·	Specification	Material	Applicable wire diameter	IP rating				
	1	M20×1.5 waterproof connector, with plug	PVC	6mm~8mm	IP67				
	2	Non-flameproof adapter (F) M20×1.5, with plug	316 SS	6mm~8mm	IP67				
	3	Flameproof adapter (F) 1/2NPT, with plug	316 SS	6mm~8mm	IP67	(laure s			
	4	Flameproof adapter (F) M20×1.5, with plug	316 SS	6mm~8mm	IP67				
	5	Flameproof adapter (F) G1/2, with plug	316 SS	6mm~8mm	IP67				
Note: Flameproof engineer if double		ation is applicable to PCEC/ATEX/IECEx standa	ards. Flame	proof adapter with	CCC certificate.	Please cor	itact the		
	N	Without LCD display							
Display	L	Display module, -20°C ~70°C							

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Range		Nominal range	Minimum range	Lower (LRL)	Upper (URL)	Overload		
GP-T	2	0.4bar	20mbar	-0.4bar	0.4bar	10bar		
	3	2.5bar	125mbar	-1bar	2.5bar	40bar		
	4	10bar	0.5bar	-1bar	10bar	60bar		
		30bar	1.5bar	-1bar	30bar	150bar		
	6	100bar	5bar	-1bar	100bar	200bar		
	2	0.4bar	0.2bar	Obar	0.4bar	10bar		
AP-T	3	2.5bar	0.5bar	Obar	2.5bar	40bar		
	4	10bar	2bar	Obar	10bar	60bar		
Sensor structure	_	Direct mount		Obai	TODAI	OUDAI		
bensor structure	— <u>'</u>		e diaphragm seal					
		Double Itange	e diaphragin seat					
Diaphragm connection position	S	Pressure trar	smitter					
Diaphragm seal system code	Е	Remote fixed	emote fixed flange insertion sleeve					
	_							
lange standard	2	HG/T-20592	HG/T-20592					
	1	EN1092-1						
	5	5 HG/T-20615						
	6	ANSI/ASME E	NSI/ASME B16.5					
Flange diameter				Applicable standa	ırd			
	В		N50	HG/T-20592, EN1	092-1			
	С		N80	HG/T-20592, EN1	092-1			
	D	D	N100	HG/T-20592, EN1	092-1			
	2	2	inch	HG/T-20615, ANS	I/ASME B16.5			
	3	3	inch	HG/T-20615, ANS	I/ASME B16.5			
	4	4	inch	HG/T-20615, ANS	I/ASME B16.5			
Pressure class				Applicable standa	ırd	Applicable flange diameter		
	1	PN10/PN16		HG/T-20592, EN1	092-1	DN50, DN80, DN100		
	2	PN25/PN40		HG/T-20592, EN1	092-1	DN50, DN80, DN100		
	3	PN63		HG/T-20592, EN1	092-1	DN50, DN80		
	4	PN100		HG/T-20592, EN1	092-1	DN50, DN80		
	А	Class 150		HG/T-20615, ANS	I/ASME B16.5	2inch, 3inch, 4inch		
	В	Class 300	,	HG/T-20615, ANS	I/ASME B16.5	2inch, 3inch, 4inch		
	С	Class 600		HG/T-20615, ANS	I/ASME B16.5	2inch, 3inch		
Note: The maximu	m static	pressure or ov	erload depends	on the flange press	ure class			
- lange material	6	316 SS	<u> </u>					
	1	RF Raised su	rface					
- -lange sealing	Α	FM Concave	surface					
		FM Concave surface						
surface	В	M Convex sur	tace					



Insertion sleeve				Applicable fl	ange diam	eter				
diameter	4	46mm		DN50, 2inch						
	6	66mm	-	DN80, 3inch						
	7	77mm	77mm DN100, 4inch							
Insertion sleeve	А	50mm		I						
diameter	В	100mm								
	С	150mm								
	D	200mm								
Insertion sleeve material	6	316 SS								
			Blind	l		Measuring	diaphragm			
	6A		316 S	S		316L				
	6B		316 S	S		Hastelloy C	C-276			
	6C		316 S	S		Tantalum				
	6D		316 S	S		Titanium				
	6E		316 S	S		Monel				
Capillary connection ocation	K	Rear connect	ion							
Capillary type	U	3.5mm OD (o	r 1/8 inch), arr	mored 316L S	S, PVC gray	sheath				
	L	3.5mm OD (o	r 1/8 inch), arr	mored 316L S	S, stainless	steel bellov	ws sheath			
Capillary length		I	nsertion sleeve	е			Adaptable i	measuring diaph	ragm	
			diameter		6A-316L	6B-Haste	elloyC-276	6C-Tantalum	6D-Titanium	6E-Monel
	1	1m	S-46mm M-66mm L-77mm							
	2	2m	S-46mm M-66mm L-77mm							
	3	3m	S-46mm M-66mm L-77mm							
			S-46mm					×	×	×
	4	4m	M-66mm L-77mm						1	
			S-47mm					×	×	×
	5	5m	M-66mm L-77mm							
	6	6m	M-66mm L-77mm							
	7	7m	M-66mm L-77mm							
	8	8m	M-66mm L-77mm							
	9	9m	M-66mm L-77mm							
Note: II. II.	A	10m	M-66mm L-77mm	المراجع الإرباط	ata di si si	ualine et a 11:	manifer of	f mate::-		
Note: "×" means u										000 0500
High pressure	S							ragm ambient e		∪°C ~85°C)
ide fill oi	D							nent:-40°C ~85°		2500)
	Н							n ambient enviro	onment: 0°C ~8	≾5°C)
Factory calibration range	CAL	Contract spe	Sensor standa	ard verification	n report ba it*	sed on the r	ange, detaul	t linear output		



Options		Description (Detailed specifications as following, multiple options or null)					
High vacuum high temperature	/V	High vacuum and high temperature process diaphragm (if this option is selected, the a only up to 0.2%)	ccuracy will be affected and ca				
Verification report	/Q1	Provide the Micro Sensor verification data according to user requirements Contract specifies: LRL - URL, display unit and other requirements*					
Note: Standard for	mat foll	ows the Micro Sensor's specifications. Select this option and provide the template if t	he customer specifies a forma				
Damping time setting	/ST	Adjustable range 0s~100s, default 0s Contract specifies: Damping time*					
	/WH	High alarm current value, 20.8mA	alarm current value, 20.8mA				
Fault alarm	/WL	Low alarm current value, 3.8mA, default					
setting	/WS	Other saturation current values, specified within the range of 3.6mA~3.8mA or 20mA~Contract specifies: Fixed current value*	22mA				
Product certificate	/QE	Standard format follows the Micro Sensor's specifications. Select this option and proving specifies a format.	de the template if the custome				
Identification plate	/PT	Product is shipped with a identification plate Contract specifies: Identification number, not exceeding 16 characters*					
	/QS1	Nitrogen (N2) or air, 60mbar, pressure holding for 1 minute, provide Micro Sensor stand	dard leakage test report				
	/QS2	Nitrogen (N2) or air, 0.4bar, pressure holding for 1 minute, provide Micro Sensor standa	ard leakage test report				
Leakage test	/QS3	Nitrogen (N2) or air, 2.5bar, pressure holding for 1 minute, provide Micro Sensor standa	ard leakage test report				
report	/QS4	Nitrogen (N2) or air, 10bar, pressure holding for 1 minute, provide Micro Sensor standard leakage test report					
	/QS5	Nitrogen (N2) or air, 30bar, pressure holding for 1 minute, provide Micro Sensor standard leakage test report					
	/QS6	Nitrogen (N2) or air, 100bar, pressure holding for 1 minute, provide Micro Sensor standard leakage test report					
Note: Test pressure	e is equa	ll to the sensor range					
HART configuration	/H5	HART5 configuration					
Diaphragm with gold plated	/J1	Single diaphragm with gold plated (5μ)					
Diaphragm spraying	/T3	High pressure side single insertion sleeve					
Oil-free treatment	/CL1	Degreasing and cleaning treatment of the wetted parts					
Note: Please check	the fill	oil. Determine whether the inert filling oil is required (code: D).					
	/CS1	CCS, China Classification Society, TJ23PTB00014					
	/CS2	DNV, Det Norske Veritas					
	/CS3	BV, Bureau Veritas					
	/CS4	ABS, American Bureau of Shipping	Come and the second				
Certificates	/CS5	LR, Lloyd's Register of Shipping					
	/CS6	KR, Korean Register of Shipping					
	/CS7	NK, Nippon Kaiji Kyokai					
	/CS8	RS, Russian Maritime Register of Shipping					
Note: Except for th		ertificate, please consult the engineer for others.					
Lithium battery	/LD	General requirements for low copper and zinc in the lithium battery industry					
		High-accuracy calibration according to the user's specified range					
	/HAC	Contract specifies: Range of use (within sensor's limit), LRL - URL, display unit, accura	cy*				
,							
High-accuracy	/LE	English nameplate, operation manual, product certificate, etc.					
High-accuracy Language Delivery service	/XM	English nameplate, operation manual, product certificate, etc. Provide customer requested content according to project delivery standards					
High-accuracy Language Delivery service Extended							
High-accuracy Language Delivery service	/XM	Provide customer requested content according to project delivery standards					



Direct Mounted Flange Body

tems	Code	Description				
MDM7000-GP-T	_	Monocrystalline Silicon Pressure Transmitter D				
MDM7000-AP-T	_	Monocrystalline Silicon Pressure Transmitter D				
	_					
Application of haz	ardous a	rea				
	1	China, Flameproof certificate, No.CE23.6650 Ex db IIC T6 Gb, GB/T3836.1-2021, GB/T3836	6.2-2021			PCEC
	2	China, Intrinsically safe certificate, No.CE23.76 Ex ia IIC T4 Ga, GB/T3836.1-2021, GB/T3836				
	3	China, Dust explosion-proof certificate, GYB24 Ex tb III C T85°C Db, GB/T3836.1-2021, GB/T		21		Ex
	4	China, Flameproof certificate, Intrinsically safe	certificate			TVLA GI
	А	CSA, Flameproof certificate				
	В	CSA, Intrinsically safe certificate				(SP [®]
	С	CSA, Flameproof certificate, Intrinsically safe c	ertificate			c Us
	Е	ATEX, Flameproof certificate				
	F	ATEX, Intrinsically safe certificate				$\langle \mathbf{E_x} \rangle$
	G	ATEX, Flameproof certificate, Intrinsically safe	certificate			
	J	IECEx, Flameproof certificate				ICO TEOR
	K	IECEx, Intrinsically safe certificate				IEC IECE
	L	IECEx, Flameproof certificate, Intrinsically safe	ecertificate			
	0	Non-hazardous area				
	Т	Other certificate				
Output signal	Н	4mA~20mA DC, HART				COMMUNICATION PROTOC
	S	Stainless steel case with two outlet ports (F) M	20×1.5			
2	U	Stainless steel case with two outlet ports (F) 1,	/2NPT			
Case	Р	Aluminum alloy case with two outlet ports (F) i	M20×1.5			
	N	Aluminum alloy case with two outlet ports (F) 2	L/2NPT			
Note: Please pay a	ttention	to the item of lithium battery (Code: LD)				
Waterproof/explos	ion-proo	f connector				(1986)
	-	Specification	Material	Applicable wire diameter	IP rating	
	1	M20×1.5 waterproof connector, with plug	PVC	6mm~8mm	IP67	
	2	Non-flameproof adapter (F) M20×1.5, with plug	316 SS	6mm~8mm	IP67	jm m(m)
	3	Flameproof adapter (F) 1/2NPT, with plug	316 SS	6mm~8mm	IP67	
	4	Flameproof adapter (F) M20×1.5, with plug	316 SS	6mm~8mm	IP67	
	5	Flameproof adapter (F) G1/2, with plug	316 SS	6mm~8mm	IP67	
		ation is applicable to PCEC/ATEX/IECEx standa	ards. Flamep	roof adapter with	CCC certificate.	. Please contact the

Display

Ν

L

Without LCD display

Display module, -20°C ~70°C



Range		Nominal						
		range	Minimum range	Lower (LRL)	Upper (URL)	Overload		
GP-T	2	0.4bar	20mbar	-0.4bar	0.4bar	10bar		
	3	2.5bar	125mbar	-1bar	2.5bar	40bar		
	4	10bar	0.5bar	-1bar	10bar	60bar		
	5	30bar	1.5bar	-1bar	30bar	150bar		
	6	100bar	5bar	-1bar	100bar	200bar		
	2	0.4bar	0.2bar	0bar	0.4bar	10bar		
AP-T	3	2.5bar	0.5bar	0bar	2.5bar	40bar		
	4	10bar	2bar	0bar	10bar	60bar		
Sensor structure	Т	Direct moun	ted					
	Н	Double flang	e diaphragm seals					
	_							
Diaphragm connection position	S	Pressure tra	nsmitter					
Diaphragm seal system code	Т	Direct moun	ted flange					
	_	1						
Flange standard	2	HG/T-20592						
	1	EN1092-1						
	5	HG/T-20615						
	6	ANSI/ASME	ANSI/ASME B16.5					
				Applicable standard	I			
	В		DN50	HG/T-20592, EN109	92-1			
	C		DN80	HG/T-20592, EN109	92-1			
Flange diameter	D		DN100	HG/T-20592, EN109				
	2		2inch	HG/T-20615, ANSI/				
	3		3inch	HG/T-20615, ANSI/				
	4		4inch	HG/T-20615, ANSI/				
				Applicable standard		Applicable flange diameter		
	1	PN10/PN16		HG/T-20592, EN109		DN50, DN80, DN100		
	2	PN25/PN40		HG/T-20592, EN109		DN50, DN80, DN100		
Pressure class	3	PN63		HG/T-20592, EN109		DN50, DN80		
	4	PN100		HG/T-20592, EN109		DN50, DN80		
	A	Class 150		HG/T-20615, ANSI/		2inch, 3inch, 4inch		
	B	Class 300		HG/T-20615, ANSI/		2inch, 3inch, 4inch		
	C	Class 600		HG/T-20615, ANSI/		2inch, 3inch		
			verload depends or	the flange pressure	class			
Flange material	6	316 SS						
	1	RF Raised su						
Flange sealing	A	FM Concave						
surface	B	M Convex su						
	С	R Annular o	onnection surface					



Wetted parts mater	ial	Please see the material list of wetted parts for details					
		Blind	Measuring diaphragm				
	6A	316 SS	316L				
	6B	316 SS	Hastelloy C-276				
	6C	316 SS	Tantalum				
	6D	316 SS	Titanium				
	6E	316 SS	Monel				
Capillary type	0	Normal temperature					
	1	High-temperature heat exchange parts, ≤ 150°C (only	high-temperature silicone oil	(code: H) option is available)			
	2	Ultra-high temperature heat exchange parts, ≤ 300°C	(only high-temperature silico	ne oil (code: H) option is available)			
	S	Normal temperature silicone oil(Medium temperature :	: -40°C ~205°C , diaphragm a	mbient environment: -40°C ~85°C)			
High pressure side fill oil	D	Inert oil (Medium temperature: -45°C ~160°C ,diaphra	agm ambient environment:-40	D°C ~85°C)			
Side fill oil	Н	High temperature silicone oil (Medium temperature: 0	°C ~315°C , diaphragm ambie	ent environment: 0°C ~85°C)			
Factory calibration range	CAL	Provide Micro Sensor standard verification report base Contract specifies: LRL - URL, display unit*	ed on the range, default linear	output			
Options		Description (Detailed specifications as following, mu	ultiple options or null)				
High vacuum high temperature	/V	High vacuum and high temperature process diaphragn only up to 0.2%)	High vacuum and high temperature process diaphragm (if this option is selected, the accuracy will be affected and can only up to 0.2%)				
Calibration report	/Q1	Provide the Micro Sensor verification data according to user requirements Contract specifies: LRL - URL, display unit and other requirements*					
Note: Standard for	mat foll	ows the Micro Sensor's specifications. Select this option	on and provide the template	if the customer specifies a format			
Damping time setting	/ST	Adjustable range 0s~100s, default 0s Contract specifies: Damping time*					
	/WH	High alarm current value, 20.8mA					
Fault alarm	/WL	Low alarm current value, 3.8mA, default					
setting	/WS	Other saturation current values, specified within the ra Contract specifies: Fixed current value*	Other saturation current values, specified within the range of 3.6mA~3.8mA or 20mA~22mA				
Product certificate	/QE	Standard format follows the Micro Sensor's specificati specifies a format.	ons. Select this option and pr	ovide the template if the customer			
Identification plate	/PT	Product is shipped with a identification plate Contract specifies: Identification number, not exceed	ing 16 characters*				
	/QS1	Nitrogen (N2) or air, 60mbar, pressure holding for 1 mi	nute, provide Micro Sensor st	andard leakage test report			
	/QS2	Nitrogen (N2) or air, 0.4bar, pressure holding for 1 min	ute, provide Micro Sensor sta	ndard leakage test report			
Leakage test	/QS3	Nitrogen (N2) or air, 2.5bar, pressure holding for 1 min	ute, provide Micro Sensor sta	ndard leakage test report			
report	/QS4	Nitrogen (N2) or air, 10bar, pressure holding for 1 minu	ute, provide Micro Sensor star	ndard leakage test report			
	/QS5	Nitrogen (N2) or air, 30bar, pressure holding for 1 minu	ute, provide Micro Sensor star	ndard leakage test report			
	/QS6	Nitrogen (N2) or air, 100bar, pressure holding for 1 min	nute, provide Micro Sensor sta	andard leakage test report			
Note: Test pressure	e is equa	ıl to the sensor range					
HART configuration	/H5	HART5 configuration					
Diaphragm with gold plated	/J1	Single diaphragm with gold plated (5µ)					
Diaphragm spraying	/T1	High pressure side single flange					
Diaphragm sticking	/PFA	The diaphragm is stuck with PFA film, applicable to no	n-vacuum situations (pressur	e ≥ 0)			
Oil-free treatment	/CL1	Degreasing and cleaning treatment of the wetted parts	6				
Note: Please check	the fill	oil. Determine whether the inert filling oil is required ((code: D).				



	/CS1	CCS, China Classification Society, TJ23PTB00014	III III
	/CS2	DNV, Det Norske Veritas	
	/CS3	BV, Bureau Veritas	
Certificates	/CS4	ABS, American Bureau of Shipping	STREAM
Certificates	/CS5	LR, Lloyd's Register of Shipping	
	/CS6	KR, Korean Register of Shipping	
	/CS7	NK, Nippon Kaiji Kyokai	
	/CS8	RS, Russian Maritime Register of Shipping	
Note: Except for t	he CCS c	ertificate, please consult the engineer for others.	
Lithium battery	/LD	General requirements for low copper and zinc in the lithium battery industry	
High-accuracy	/HAC	High-accuracy calibration according to the user's specified range Contract specifies: Range of use (within sensor's limit), LRL - URL, display unit, accuracy	uracy*
Language	/LE	English nameplate, operation manual, product certificate, etc.	
Delivery service	/XM	Provide customer requested content according to project delivery standards	
Extended	/Y3	3-year warranty	
warranty period	/Y5	5-year warranty	
*Note: The specif	ications	required for these options should be specified in the contract.	
Example: MDM70	00-GP-	T-OHP1L-2T-ST-2B1616AS/CS1- [CAL: 0-0.4bar]	



MDM7000-GP-T/AP-T — SR — SR — Direct Mounted Threa

		Body	,	Direct Mounted Thre	ead		
Items	Code	Description					
MDM7000-GP-T	_	Monocrystalline Silicon Pressure Transmitter Direct Mounted Single Thread Diaphragm Seal					
MDM7000-AP-T	_	Monocrystalline Silicon Pressure Transmitter	Direct Mour	nted Single Thread D	iaphragm Seal		
	_						
Application of haz	zardous a	rea					
	1	China, Flameproof certificate, No.CE23.6650 Ex db IIC T6 Gb, GB/T3836.1-2021, GB/T383	36.2-2021			PCEC	
	2	China, Intrinsically safe certificate, No.CE23. Ex ia IIC T4 Ga, GB/T3836.1-2021, GB/T383					
	3	China, Dust explosion-proof certificate, GYB2 Ex tb III C T85°C Db, GB/T3836.1-2021, GB/		2021		Ex	
	4	China, Flameproof certificate, Intrinsically sa	fe certificate	<u> </u>		IVEFST	
	А	CSA, Flameproof certificate					
	В	CSA, Intrinsically safe certificate				(SP®	
	С	CSA, Flameproof certificate, Intrinsically safe	certificate			c us	
	Е	ATEX, Flameproof certificate					
	F	ATEX, Intrinsically safe certificate				$\langle \mathbf{E_x} \rangle$	
	G	ATEX, Flameproof certificate, Intrinsically saf	e certificate				
	J	IECEx, Flameproof certificate				150 776	
	K	IECEx, Intrinsically safe certificate				IEC IECEX	
	L	IECEx, Flameproof certificate, Intrinsically sa	fe certificat	е			
	0	Non-hazardous area					
	Т	Other certificate					
Output signal	Н	4mA~20mA DC, HART				COMMUNICATION PROTOCOL	
	S	Stainless steel case with two outlet ports (F)	M20×1.5				
2000	U	Stainless steel case with two outlet ports (F)					
Case	Р	Aluminum alloy case with two outlet ports (F)					
	N	Aluminum alloy case with two outlet ports (F)	1/2NPT				
Note: Please pay	attention	to the item of lithium battery (Code: LD)					
Waterproof/explos	sion-proo	f connector			l	CC 2000ACD	
		Specification	Material	Applicable wire diameter	IP rating		
	1	M20×1.5 waterproof connector, with plug	PVC	6mm~8mm	IP67		
	2	Non-flameproof adapter (F) M20×1.5, with plug		6mm~8mm	IP67	ja njnj	
	3	Flameproof adapter (F) 1/2NPT, with plug	316 SS	6mm~8mm	IP67		
	4	Flameproof adapter (F) M20×1.5, with plug	316 SS	6mm~8mm	IP67		
	5	Flameproof adapter (F) G1/2, with plug	316 SS	6mm~8mm	IP67		
Note: Flameproof engineer if double		ation is applicable to PCEC/ATEX/IECEx stand is required.	dards. Flam	eproof adapter with	CCC certificate.	Please contact the	
	Ν	Without LCD display					
Display	L	Display module, -20°C ~70°C					

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Range								
		Nominal range	Minimum range	Lower (LRL)	Upper (URL)	Overload		
GP-T	2	0.4bar	20mbar	-0.4bar	0.4bar	10bar		
	3	2.5bar	125mbar	-1bar	2.5bar	40bar		
	4	10bar	0.5bar	-1bar	10bar	60bar		
	5	30bar	1.5bar	-1bar	30bar	150bar		
	6	100bar	5bar	-1bar	100bar	200bar		
	2	0.4bar	0.2bar	0bar	0.4bar	10bar		
AP-T	3	2.5bar	0.5bar	0bar	2.5bar	40bar		
	4	10bar	2bar	0bar	10bar	60bar		
Sensor structure	Т	Direct mount	ed	1	ı			
	Н	Double flang	e diaphragm seals					
	_							
Diaphragm connection position	S	Pressure tran	nsmitter					
Diaphragm seal system code	R	Direct mount	ed thread					
	_							
Process	1M	Male M44×1	Male M44×1.25, GB/T193-2003, ISO261					
connection	1G	Male G1, GB/T7307, ISO228, DIN16288, BS2779						
	2G	Male G2, GB/T7307, ISO228, DIN16288, BS2779						
	3G	Male G1-1/2, GB/T7307, ISO228, DIN16288, BS2779						
	1N	Female 1/2 inch NPT						
	2N	Male 1/2 inch NPT(Contains 1/4" NPT)						
	2M	Male M20×1	5(Integrated)					
	4G	Male G1/2(Ir	itegrated)					
Sealing type	R	Root						
	А	Axial						
	U	Root and axia	al					
Wetted parts mater	ial							
		Measuring	diaphragm	Thread	Sealings			
	6A	31	6L	316	FKM			
	6B	HC-	276	316	FKM			
Capillary / vent	0	Normal temp	erature					
tube	1	High-temper	ature heat exchang	ge parts, ≤ 150°C (only	high-temperature	silicone oil (code: H) option is available)		
	2	Ultra-high te	mperature heat exc	change parts, ≤ 300°C	(only high-tempera	ature silicone oil (code: H) option is available)		
	S	Normal temperature silicone oil(Medium temperature : -40°C ~205°C, diaphragm ambient environment: -40°C ~85°C)						
High pressure side fill oil	D	Inert oil (Med	lium temperature:	-45°C ~160°C ,diaphra	agm ambient envir	onment:-40°C ~85°C)		
Side Int Oil	Н	High tempera	ature silicone oil (M	ledium temperature: 0	°C ~315°C , diaphı	ragm ambient environment: 0°C ~85°C)		
Factory calibration range	CAL		Sensor standard v	verification report base lisplay unit*	ed on the range, de	fault linear output		
Options		Description	(Detailed specifica	ations as following, m	ultiple options or r	null)		
High vacuum high temperature	/V	High vacuum only up to 0.2		ure process diaphragn	n (if this option is s	elected, the accuracy will be affected and can		

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Welding mounting parts	/WP1	1MR matching welding mounting parts, sealings						
μαιτο	/WP2	1MA matching welding mounting parts, sealings						
	/WP3	1GR matching welding mounting parts, sealings						
	/WP4	GA matching welding mounting parts, sealings						
	/WP5	GR matching welding mounting parts, sealings						
	/WP6	2GA matching welding mounting parts, sealings						
	/WP7	3GR matching welding mounting parts, sealings						
	/WP8	3GA matching welding mounting parts, sealings						
		\2GR\2GA\3GR\3GA in the options is a combination of process connection and seal purchased separately.	ling type codes; welding					
Verification report	/Q1	Provide the Micro Sensor verification data according to user requirements Contract specifies: LRL - URL, display unit and other requirements*						
Note: Standard for	mat follo	ows the Micro Sensor's specifications. Select this option and provide the template it	f the customer specifies a format.					
Damping time setting	/ST	Adjustable range 0s~100s, default 0s Contract specifies: Damping time*						
	/WH	High alarm current value, 20.8mA						
Fault alarm	/WL	Low alarm current value, 3.8mA, default						
setting	/WS	Other saturation current values, specified within the range of 3.6mA~3.8mA or 20mA Contract specifies: Fixed current value*	A~22mA					
Product certificate	/QE	Standard format follows the Micro Sensor's specifications. Select this option and provide the template if the customer specifies a format.						
Identification plate	/PT	Product is shipped with a identification plate Contract specifies: Identification number, not exceeding 16 characters*						
	/QS1	Nitrogen (N2) or air, 60mbar, pressure holding for 1 minute, provide Micro Sensor standard leakage						
	/QS2	Nitrogen (N2) or air, 0.4bar, pressure holding for 1 minute, provide Micro Sensor standard leakage test report						
Leakage test	/QS3	Nitrogen (N2) or air, 2.5bar, pressure holding for 1 minute, provide Micro Sensor standard leakage test report						
report	/QS4	Nitrogen (N2) or air, 10bar, pressure holding for 1 minute, provide Micro Sensor stand	dard leakage test report					
	/QS5	Nitrogen (N2) or air, 30bar, pressure holding for 1 minute, provide Micro Sensor stand	dard leakage test report					
	/QS6	Nitrogen (N2) or air, 100bar, pressure holding for 1 minute, provide Micro Sensor star	ndard leakage test report					
Note: Test pressure	is equa	l to the sensor range						
HART configuration	/H5	HART5 configuration						
Diaphragm with gold plated	/J1	Single diaphragm with gold plated (5µ)						
Diaphragm spraying	/T6	Thread diaphragm spraying						
Oil-free treatment	/CL1	Degreasing and cleaning treatment of the wetted parts						
Note: Please check	the fill	oil. Determine whether the inert filling oil is required (code: D).						
	/CS1	CCS, China Classification Society, TJ23PTB00014						
	/CS2	DNV, Det Norske Veritas						
	/CS3	BV, Bureau Veritas						
Cortificatos	/CS4	ABS, American Bureau of Shipping	Sines of the second sec					
Certificates	/CS5	LR, Lloyd's Register of Shipping						
	/CS6	KR, Korean Register of Shipping						
	/CS7	NK, Nippon Kaiji Kyokai						
	/CS8	RS, Russian Maritime Register of Shipping						
Note: Except for the	e CCS ce	ertificate, please consult the engineer for others.						

MDM7000-GP-T/AP-T

Smart Pressure Transmitter



Lithium battery	/LD	General requirements for low copper and zinc in the lithium battery industry
High-accuracy	/HAC	High-accuracy calibration according to the user's specified range Contract specifies: Range of use (within sensor's limit), LRL - URL, display unit, accuracy*
Language	/LE	English nameplate, operation manual, product certificate, etc.
Delivery service	/XM	Provide customer requested content according to project delivery standards
Extended	/Y3	3-year warranty
warranty period	/Y5	5-year warranty
*Note: The specifi	ications r	required for these ontions should be specified in the contract

*Note: The specifications required for these options should be specified in the contract.

Example: MDM7000-GP-T-0HP1L-2T-SR-1MR6A0S/WP1- [CAL: 0-0.4bar]

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