

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://microsensor.nt-rt.ru/> || moj@nt-rt.ru

Погружной датчик уровня МРМ489W. Технические характеристики.

Introduction

MPM489W is full sealed submersible level transmitter. It is made by building in high stable and reliable OEM pressure sensor and high accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be immersed into the media for a long time.

MPM489W level transmitter has compact size, light weight and good stability; it can be used for water or liquid measure and control of medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, etc.

Specification





Features

- Integrated construction, unnecessary to do outer adjustment
- Sensor housing protection IP68, connection box protection IP65;
- Cost-efficient, high reliability and stability;
- RoHS and ATEX approved
- Explosion-proof product conforms to ExialICT6 Ga of Standard

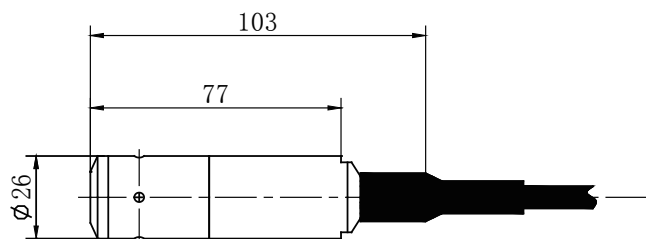
Construction Material

- Housing: stainless steel 304
- O-ring: Viton
- Rubber casing: NBR
- Cable: $\phi 7.5\text{mm}$ polyethylene cable
- Diaphragm: stainless steel 316L

- Range(FS): 1, 2, 5, 10, 20, 50, 100, 200mH₂O
- Overpressure: 1.5 times FS
- Accuracy: $\pm 0.5\%$ FS
- Stability: range $>10\text{mH}_2\text{O}$, $\pm 0.2\%$ FS/year
- range $\leq 10\text{mH}_2\text{O}$, 20mmH₂O/year
- Thermal drift:

	zero	span
range $>10\text{mH}_2\text{O}$	$\pm 0.02\%$ FS/ $^{\circ}\text{C}$	$\pm 0.05\%$ FS/ $^{\circ}\text{C}$
range $\leq 10\text{mH}_2\text{O}$	$\pm 0.05\%$ FS/ $^{\circ}\text{C}$	$\pm 0.05\%$ FS/ $^{\circ}\text{C}$
- Application temp. range: $-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$; $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$ (Exia)
- Storage temp. range: $-20^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Power supply: 11V~28VDC; 11V~28VDC; 5V DC
- Output signal: 4mA~20mADC(2-wire); 0~5/10VDC(3-wire); 0.5V~4.5V DC(3-wire)
- Load: $\leq (U-11)/0.02\Omega$ (2-wire); $\geq 10\text{k}$ (3-wire); $\geq 10\text{k}$ (3-wire)

Outline Construction (Unit: mm)



Electrical Connection

Wire color	2-wire	3-wire
Black	+V	+V
Red	0V/+OUT	+OUT
White	Null	GND

Order Guide

MPM489W		Level Transmitter										
		Range	Pressure range: 0m~1...200mH ₂ O									
		[0~XmH ₂ O] L	X: actual measurement range L: cable length suggested L-X=(1~2)m									
			Code	Power								
			V ₁	24V DC								
			V ₆	5V DC								
				Code	Output signal							
				E	4 mA~20mA DC							
				F	1V~5V DC							
				J	0V~5V DC							
				V	0V~10V DC							
				K	0.5V~4.5V DC							
				Code	Construction material							
					Diaphragm	Port	Housing					
				22	SS 316L	SS	SS					
				24	SS 316L	SS 316L	SS 316L					
				25	Tantalum	SS	SS					
				Code	Others							
				M ₁	0~100% indicator(Only 4mA~20mA DC)							
				Y _b	Aluminum connection box without display							
				Y _c	MS200 water-proof connection box (default)							
				Y _d	PD140 lightning-proof protection device							
				Y _e	Connection box(with display or without display)							
				i	Intrinsic safe version Exia II CT6 Ga							
				y	ATEX							
				C ₁	M20×1.5 male							
				C ₃	G1/2 male							
				F ₁	Fixed flange							
MPM489W		[0~2mH ₂ O]5	V ₅	E	22	Y _C	the whole spec.					

Notes

1. Please pay attention that the media should be compatible with the contacted parts; please inform the density of the media (except water);
2. Two kinds of cable are optional, polyurethane and polyethylene. The default is polyethylene. Polyurethane cable is more flexible and durable; it can be selected due to the requirement;
3. When the product is used in thunder storm area, we suggest the user to use protection device to protect the product and power grounding reliably;
4. For special requirement, please feel free to contact us;
5. When ordering, please pay attention to 5V DC power supply. If the cable is connected out of line, the cable length should be less than 10m; When the order output is 0V to 10V DC product, the power supply is 15V to 28V DC;
6. 24V DC power supply (V1), see "Specification" for detail about Power supply range.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47