

your partner of sensing and measuring

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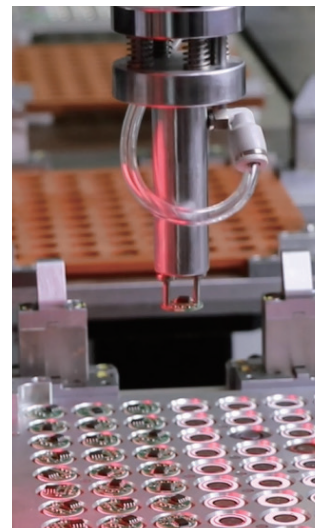
TRANSMITTERS | FLOWMETERS

Your partner of sensing and measuring

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PRESSURE LEVEL TEMPERATURE FLOW



Since 1971, Micro Sensor has been researching, designing and producing pressure sensing and measuring instruments based on piezoresistive measuring principles. Today customers can be supplied with high-quality pressure sensors, pressure transmitters, level sensors, flow meters and wireless IoT devices.

At Micro Sensor, we learned that sometimes customer may need a customized sensor product due to their type of applications. That's why we offer sensor products with variety of customized changing variables to suit customer's unique application. To adapt to different application environment, we offer different types of isolated liquid, pressure ranges, compensated temperature ranges, size, materials, structures, power supply & output type and even performance.

Through modifying all of these parameters, we aim to offer the most cost effective and compatible sensor products for customer's application, but maintain high levels of accuracy, stability and reliability at the same time.

Pressure Transmitter for General Industries



Features	Small Size	Complicated Environment	High Accuracy
Range	0.25Bar~250Bar	0.1Bar~1000Bar	0.1Bar~1000Bar
Output Signal	4~20mA DC 0/1~5/10V DC 0.5~4.5V DC	4~20mA DC 0/1~5/10V DC 0.5~2.5/4.5V DC	4~20mA DC HART RS485 MODBUS RTU
Operation Temperature	-30℃~85℃	-30℃~80℃	-30℃~80℃
Accuracy	±0.5%FS	±0.5%FS	±0.1%FS
Certificate			

*The specific parameters of each model shall be subject to the latest official documents released by Micro Sensor.

Pressure Transmitter for General Industries



Features	IIC/SPI Output	Heavy Duty & Shock Resistance	Compact Size & Shock Resistance
Range	0.07Bar~1000Bar	16Bar~1000Bar	10Bar~50Bar
Output Signal	IIC/SPI	4~20mA DC 0.5V~4.5V DC	0.5V~2.5V DC 0.5V~4.5V DC 4~20mA DC
Operation Temperature	-20℃~80℃	-40℃~120℃	-20℃~100℃
Accuracy	±0.25%FS	±1%FS(within compensation temperature)	±1%FS(within compensation temperature)
Certificate			

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Low Pressure & Differential Pressure Transmitter

MPM430



MDM490



MDM6000-DP



MDM7000-LP



Features	Low Pressure Measurement	Differential Pressure Transmitter	High Accuracy/High Stability	High Accuracy/High Stability
Range	5mBar~0.2Bar	0.35Bar~35Bar	60mBar~100Bar	0.4Bar~30Bar
Output Signal	4~20mA DC	4~20mA DC 0/1~5V DC 0~10/20mA DC	4~20mA DC+HART	4~20mA DC+HART
Operation Temperature	-30°C~80°C	-30°C~80°C	-40°C~85°C	-40°C~85°C
Accuracy	±0.5%FS	±0.5%FS	±0.075%FS	±0.075%FS
Certificate	<div>CECNEXRoHSDNV-GL</div>			

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Hydrostatic Submersible Level Transmitter

MPM489WZ3/WZ4



MPM489W



MPM4700



MPM436W



MPM426WS



Features	Φ19mm Diameter Φ17mm Diameter	General Industries	High Accuracy	Low Level Transmitter	Deep-Water Level Transmitter with Temperature Output
Range	10mH ₂ O~200mH ₂ O	1mH ₂ O~200mH ₂ O	3.5mH ₂ O~200mH ₂ O	0.5mH ₂ O~2mH ₂ O	350mH ₂ O~2000mH ₂ O
Output Signal	4~20mA DC	4~20mA DC 0/1~5/10V DC 0.5~4.5V DC	4~20mA DC HART RS485 MODBUS RTU	4~20mA DC	4~20mA DC
Operation Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~80°C
Accuracy	±0.5%FS	±0.5%FS	±0.1%FS	±0.5%FS	±0.5%FS(Pressure) ±2°C(Temperature)
Certificate	<div>ExCECNEXRoHSDNV-GL</div>				

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Pressure Transmitter for Specific Industries

MPM489FL



MDM4901FL



MPM480GH











MPM4530



MPM426WPF/PC



Features	Oxygen Pressure Measurement	Oxygen Differential Pressure Measurement	Hydrogen Service Gold Plated Diaphragm	High Temperature Medium	Fuel & Chemical Level Measurement
Range	0.1Bar~300Bar	0.35Bar~35Bar	0.1Bar~70Bar	0.1Bar~1000Bar	2mH ₂ O~200mH ₂ O
Output Signal	4~20mA DC 0/1~5/10V DC 0.5~2.5/4.5V DC	4~20mA DC 0~10/20mA DC 0/1~5/10V DC	4~20mA 0/1~5/10V DC 0.5~4.5V DC 0.5~2.5V DC	4~20mA DC	4~20mA DC 0/1~5/10V DC 0.5~2.5/4.5V DC RS485 MODBUS RTU
Operation Temperature	-30°C~80°C	-30°C~80°C	-30°C~85°C	-40°C~150°C	-30°C~80°C
Accuracy	±0.5%FS	±0.5%FS	±0.25%FS	±0.25%FS	±0.25%FS
Certificate	<div></div>				

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Pressure Transmitter / Switch for Process Control

MPM483



MPM483DM/486



MPM4760




MPM484C



MPM5581



Features	LED/LCD Indicator	RS485 MODBUS RTU HART Protocol	LCD Indicator Battery Power Supply	Pressure Switch LED Indicator	Pressure Switch LED Indicator
Range	0.1Bar~1000Bar	0.1Bar~1000Bar	0.1Bar~1000Bar	0.1Bar~1000Bar	1Bar~600Bar
Output Signal	4mA~20mA DC 0V~5V DC 1V~5V DC 0V~10V DC	4~20mA DC+RS485 4~20mA DC+HART	4~20mA DC RS485 MODBUS RTU	4~20mA DC 0~10V DC RS485 MODBUS RTU Relay	0/4~20mA DC 2×PNP
Operation Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C	-10°C~60°C	-20°C~80°C
Accuracy	±0.25%FS	±0.1%FS	±0.25%FS	±0.5%FS	±0.5%FS
Certificate	<div></div>				

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Dual Temperature & Pressure Output Transmitter

MPM4736



MPM4981




MPM4706



MPM4810



Features	Low Power Consumption	Wide Temperature Range	Low Power Consumption	High Operation Temperature
Range	0.1Bar~1000Bar	0.1Bar~1000Bar	3.5mH ₂ O~200mH ₂ O	5mH ₂ O~200mH ₂ O
Output Signal	RS485 MODBUS RTU	4~20mA DC 0.5~4.5V DC	RS485 MODBUS RTU	4~20mA DC
Operation Temperature	-30°C~80°C	-40°C~125°C	-20°C~70°C	0°C~125°C
Accuracy	±0.25%FS(Pressure) ±0.5°C(AmbientTemperature)	±0.5%FS(Pressure) ±0.5°C(Temperature)	±0.25%FS(Pressure) ±0.5°C(Temperature)	±0.5%FS(Pressure) ±2°C(Temperature)
Certificate				

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Level Meter & Temperature Sensor

LR725L



MLM Series





MTM4831



WZ



Features	Ultrasonic Level Meter	Magnetostrictive Level Meter	Temperature Transmitter	Temperature Sensor
Range	5m~50m	0.05m~20m	-200°C~500°C	-200°C~1600°C
Output Signal	4~20mA DC RS485 MODBUS RTU 4~20mA DC + HART 4~20mA DC + RS485	0/4~20mA DC 0~5/10V DC 4~20mA DC + HART RS485	4~20mA DC RS485 MODBUS RTU 4~20mA DC + HART 4~20mA DC + RS485	Thermal Resistance Thermocouple
Operation Temperature	-20°C~60°C	-40°C~85°C	-25°C~70°C	-200°C~1600°C
Accuracy	±0.5%FS	±0.05%FS	±0.5%FS	Grade A & Grade I
Certificate	 			

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Flow Meter

MFE600Z



MFE600E



MFE600H



MFE600C



MFU2000



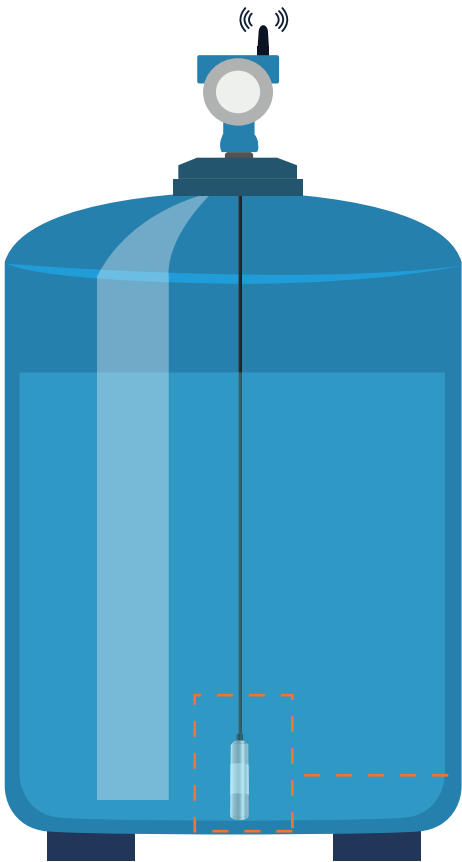
Features	General Industries	Complicated Environment	Energy Meter	Insertion Flow Meter	Ultrasonic Flow Meter
Pipeline Diameter	DN10~DN500	DN6~DN1600	DN25~DN400	DN150~DN1600	DN15~DN1500
Output Signal	4~20mA DC RS485 MODBUS RTU Frequency Pulse Output	4~20mA DC 4~20mA DC + HART RS485 MODBUS RTU Profibus-DP Frequency, Pulse Output	4~20mA DC RS485 MODBUS RTU Profibus-DP Frequency, Pulse Output	4~20mA DC 4~20mA DC + HART RS485 MODBUS RTU Profibus-DP Frequency, Pulse Output	4~20mA DC RS485 MODBUS RTU
Operation Temperature	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C	-30°C~160°C
Accuracy	±1.0%FS	±0.5%FS	±0.5%FS	±2.5%FS	±1.0%FS
Certificate	<div>CE</div> <div>DNV-GL</div> <div>GNEX</div>				

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Transmitter Applications

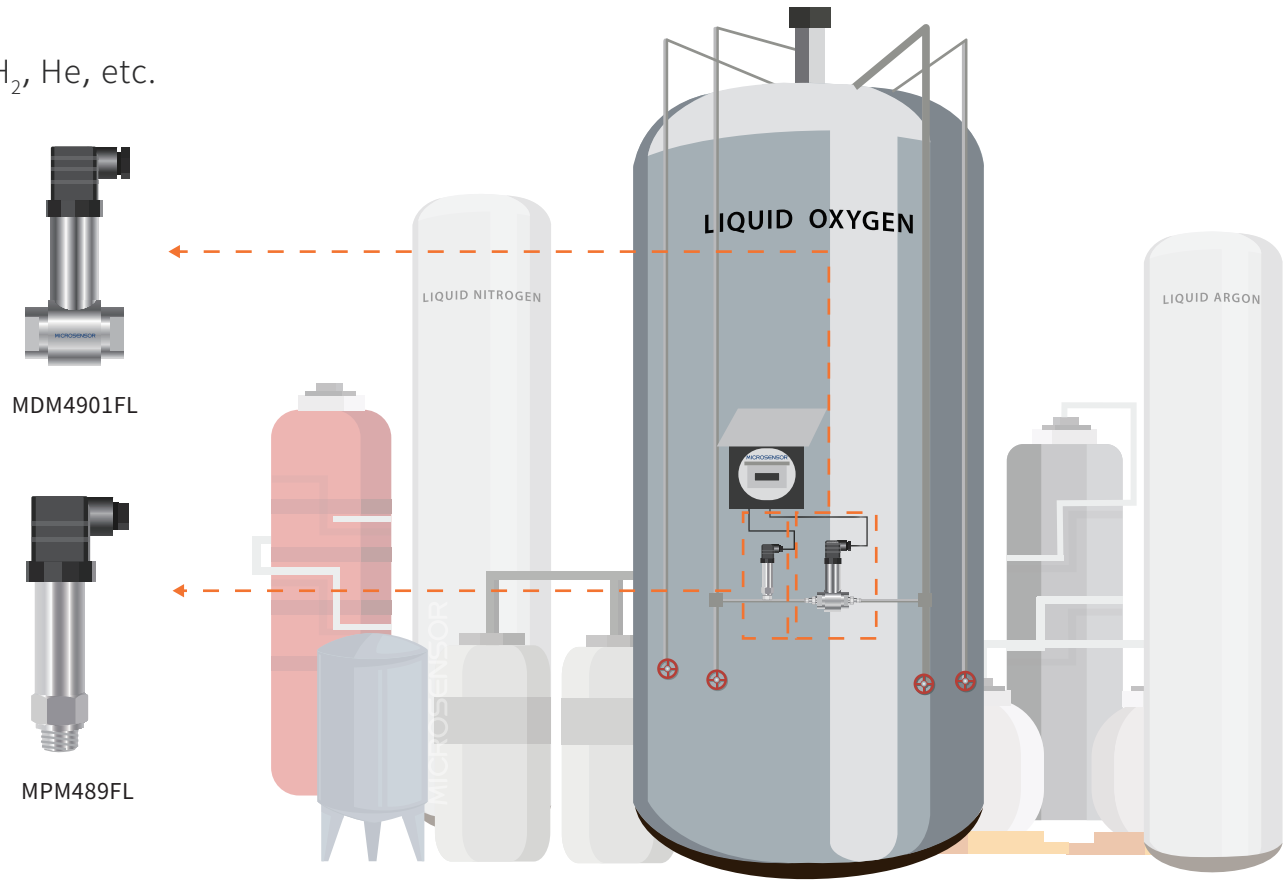
Submersible Level Transmitter for Fuel Tank Level Monitoring

Compatible medium:
Diesel, gasoline, fuels, lube, DEF, chemical, propane, water



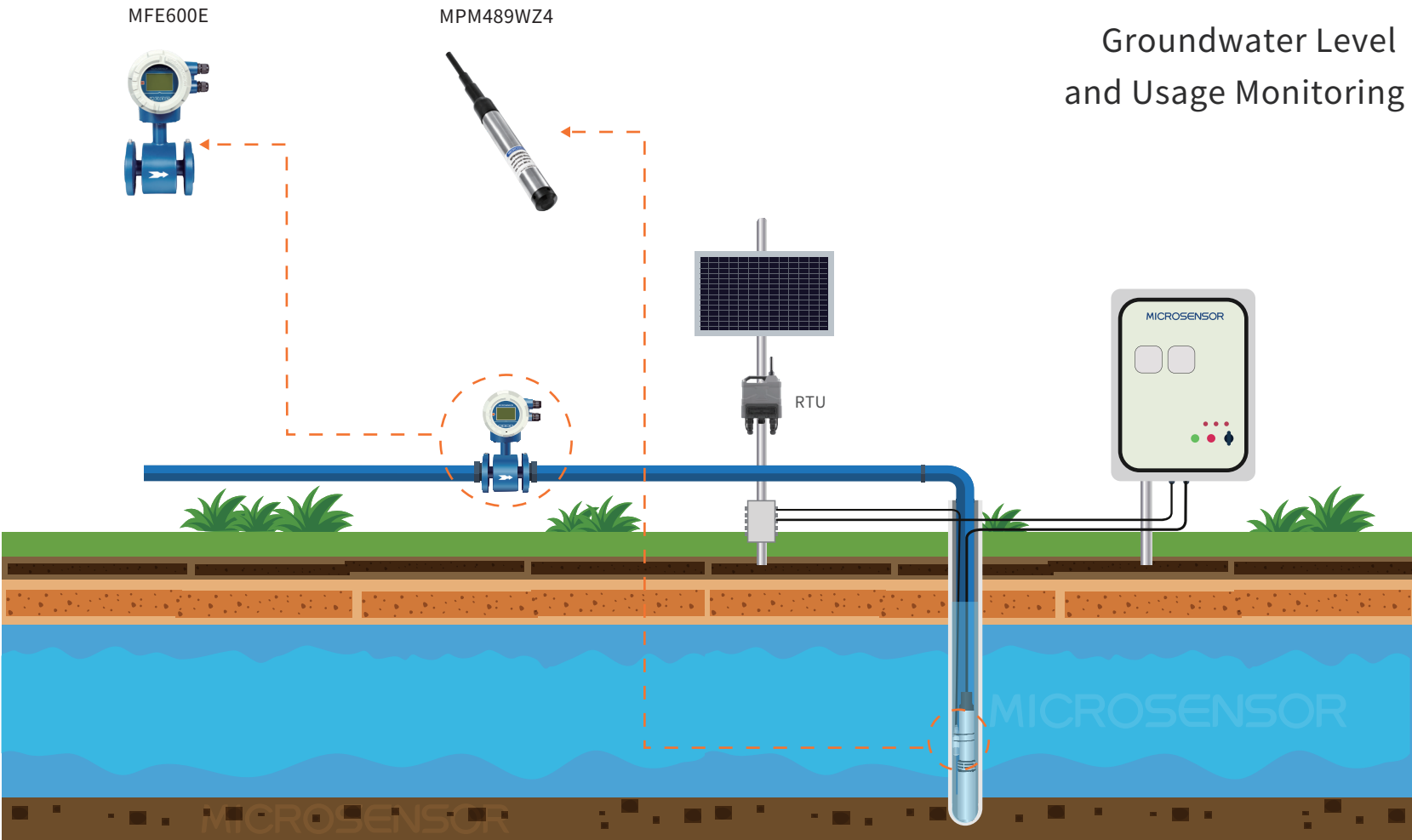
Pressure & Differential Pressure Transmitter for Bulk Cryogenic Tank Level Monitoring

Compatible medium:
O₂, N₂, CO₂, H₂, He, etc.

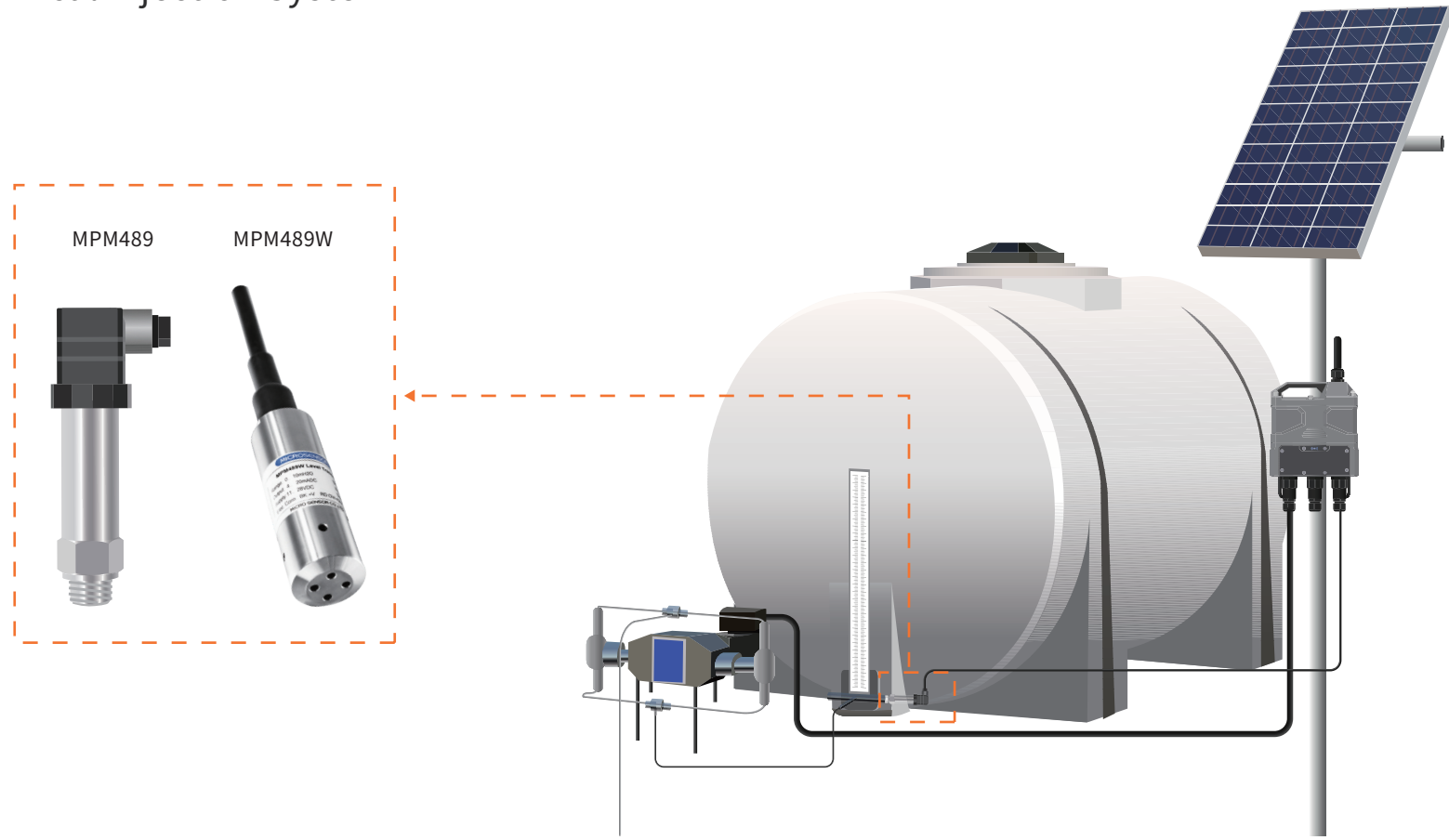


Applications

Flow Meter & Level Transmitter for Groundwater Level and Usage Monitoring

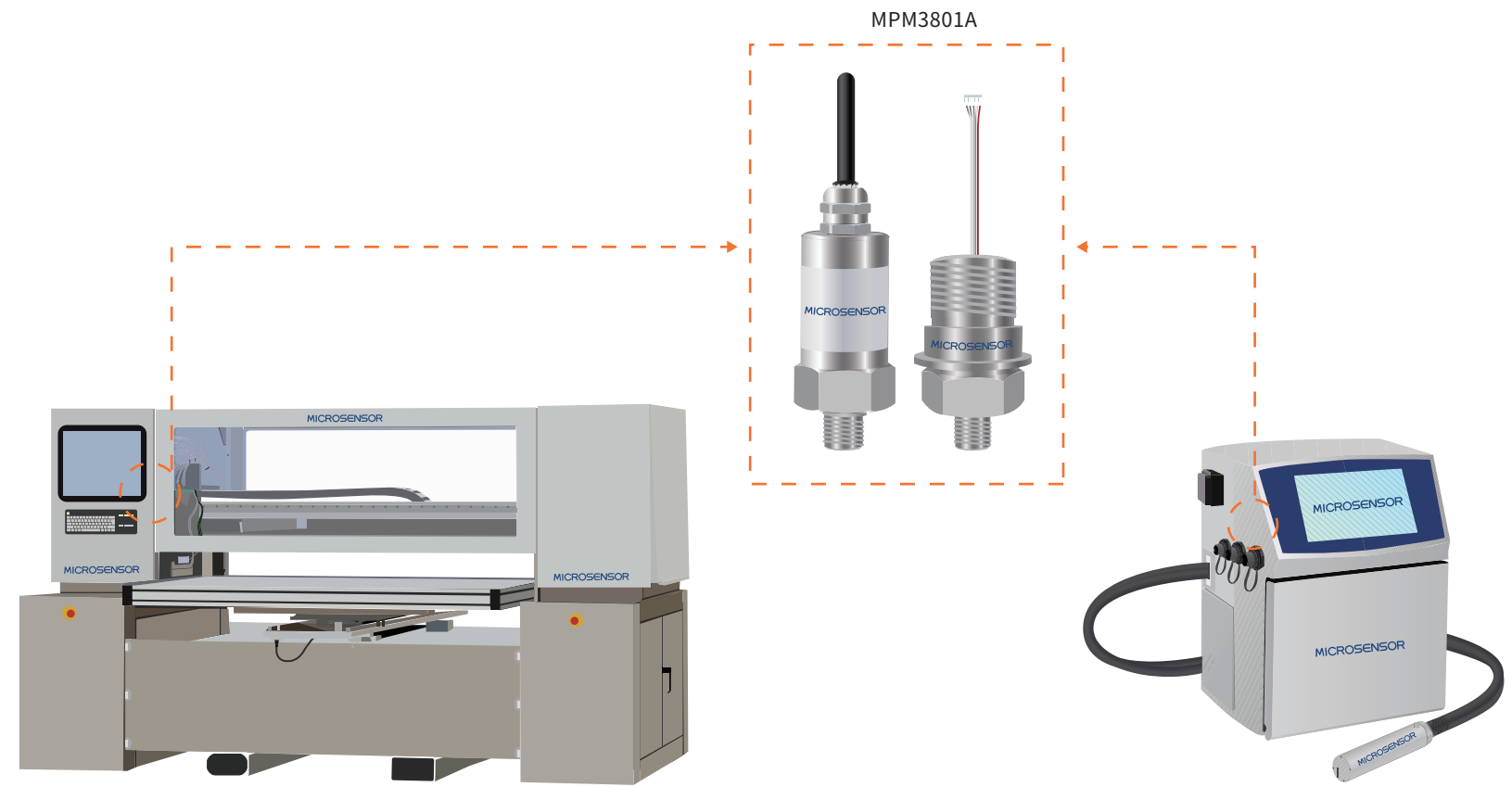


Level & Pressure Sensor
for Chemical Injection System

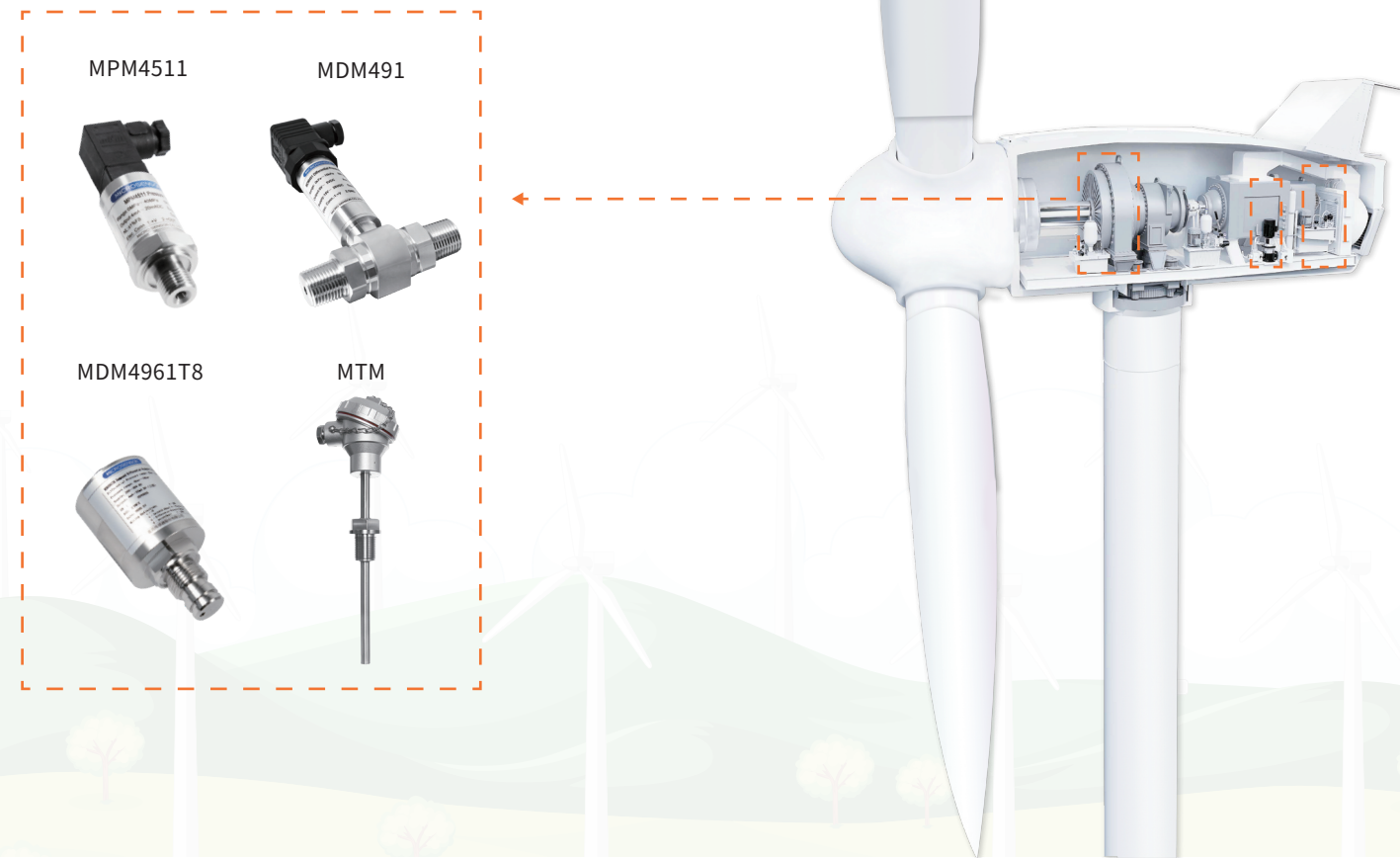


Applications

Pressure Sensor
for Printing Industries

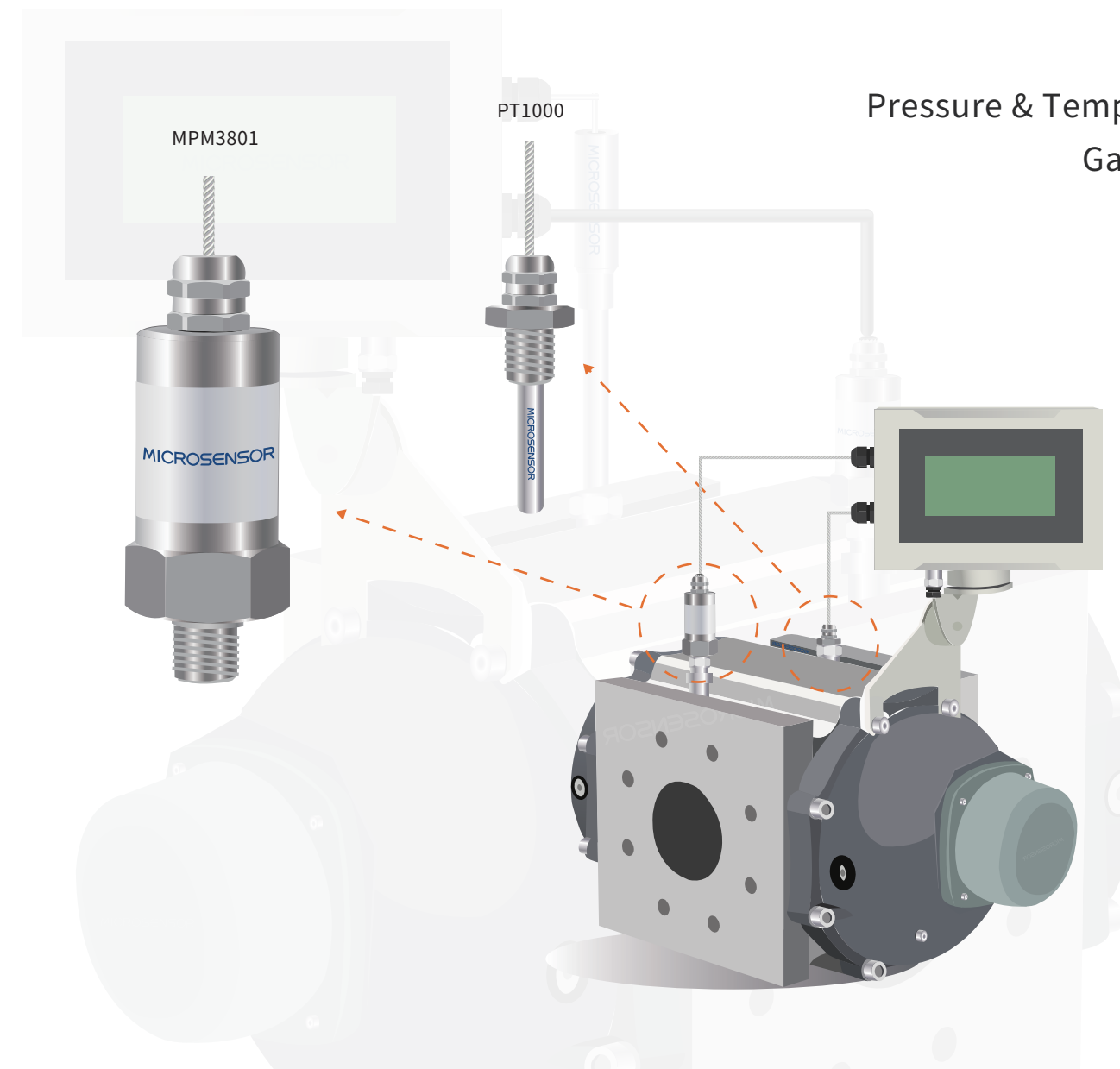


Pressure & Temperature Sensor
for Wind Turbine

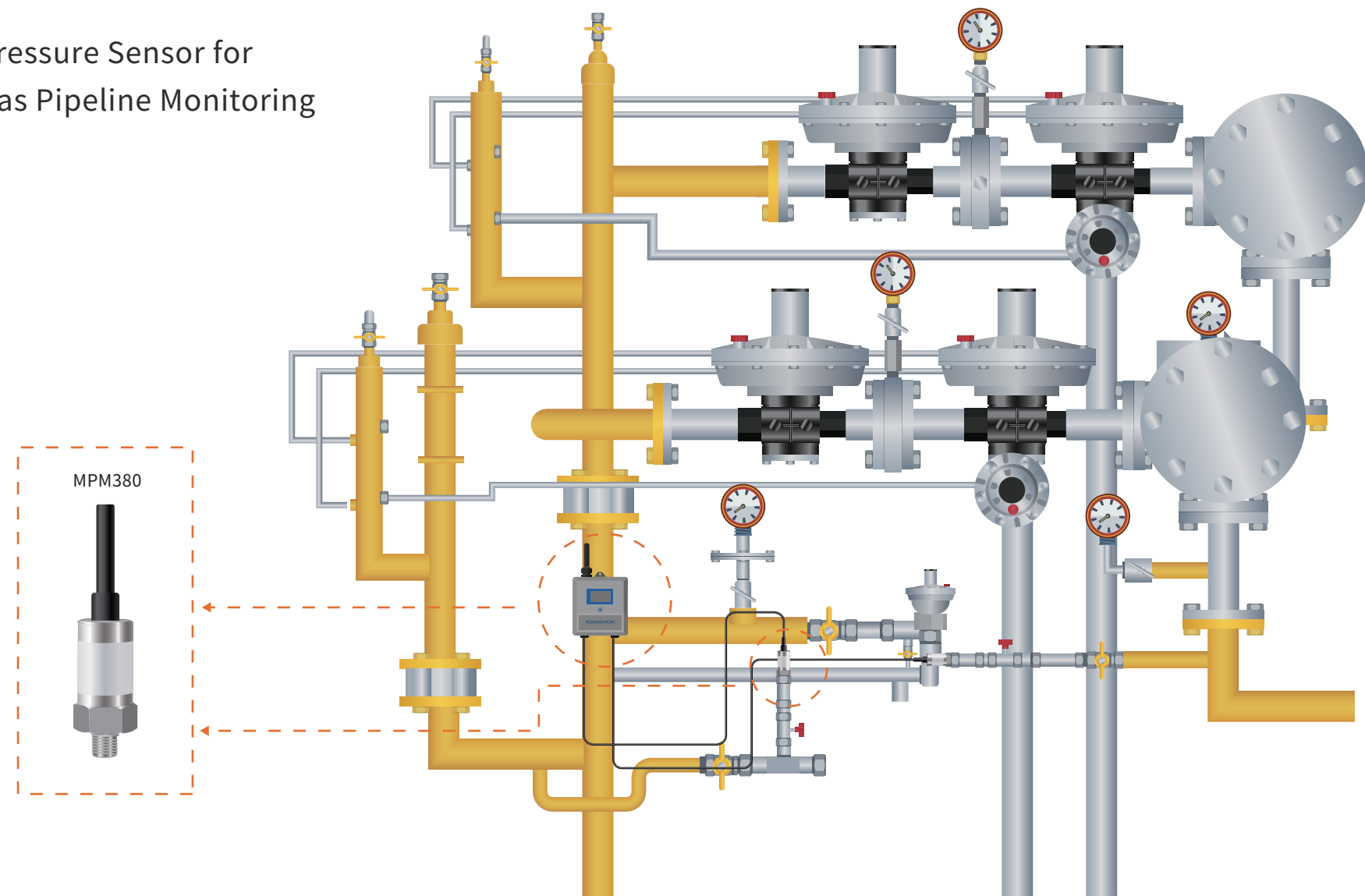


Applications

Pressure & Temperature Sensor for
Gas Volume Corrector

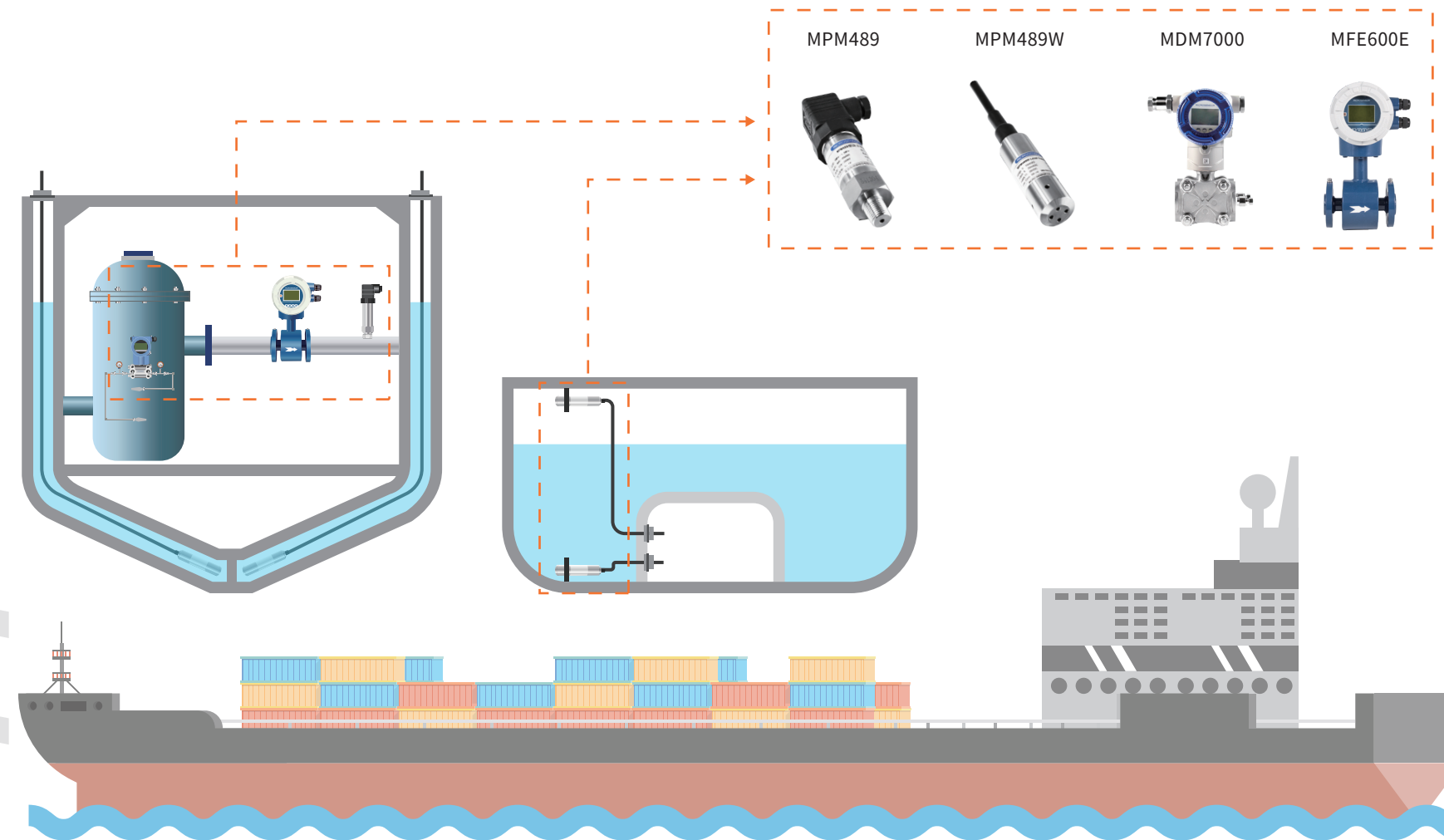


Pressure Sensor for Gas Pipeline Monitoring



Applications

Level, Pressure and Flow Instrumentation For Ships



Pressure Transmitter for
Injection Molding Machine



Pressure Sensor for Coffee Machine



Applications

Pressure Transmitter for
Plasma Scrubber

