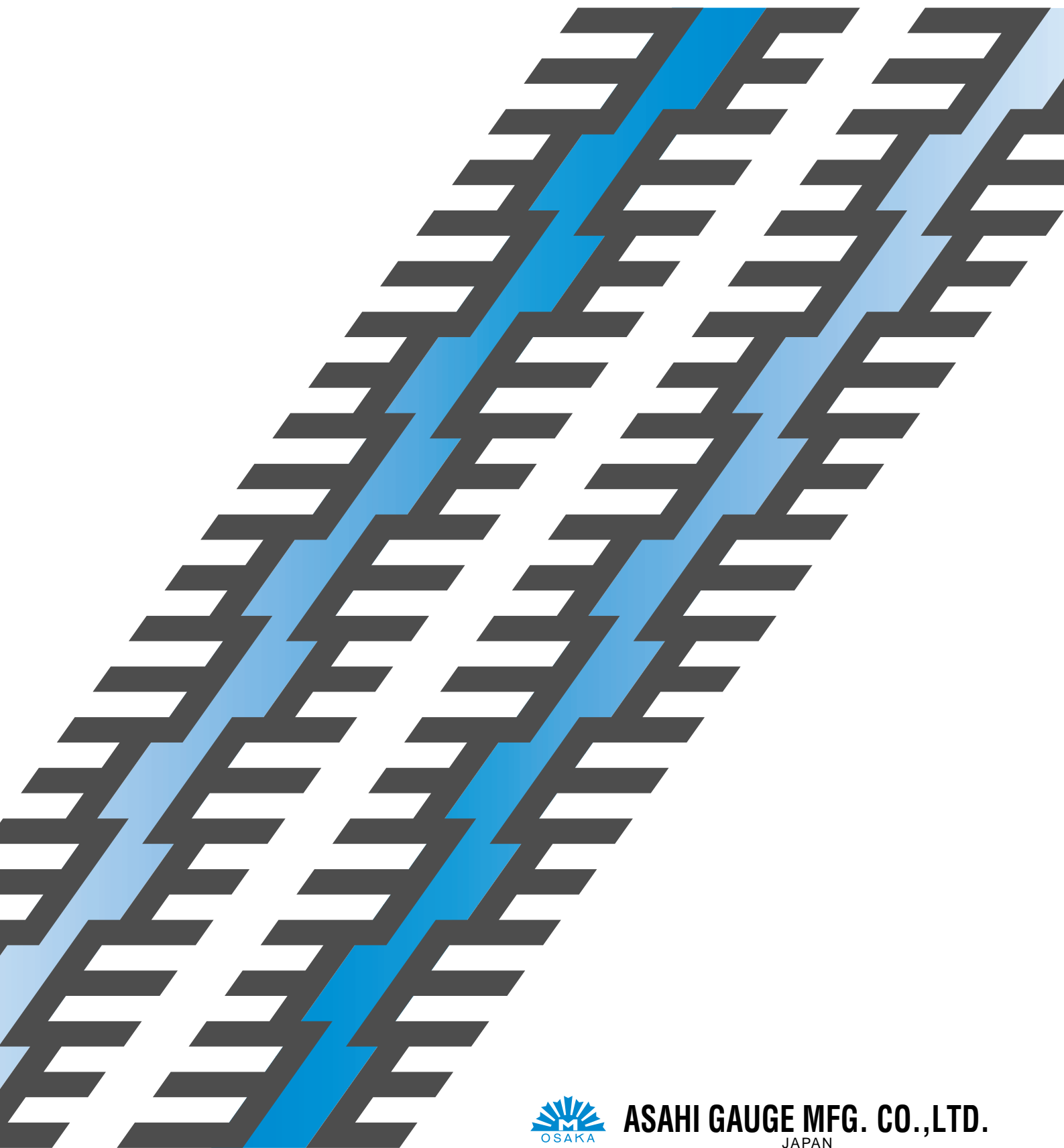

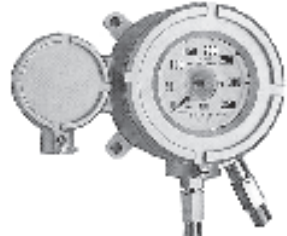




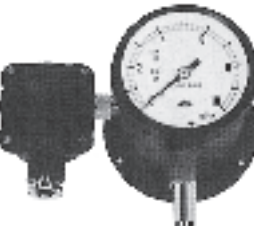


Pressure Transmitters


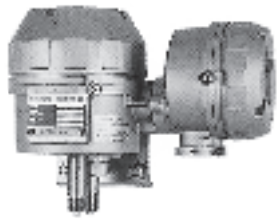

Pressure Transducers




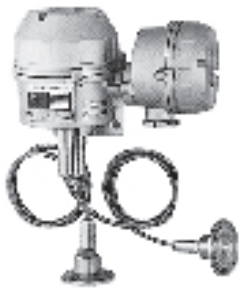


ASAHI GAUGE MFG. CO., LTD.
JAPAN

Product name	Small-size pressure-resistant & explosion-proof pressure transmitter		Pressure-resistant & explosion-proof differential pressure transmitter with indicator	Pressure-resistant & explosion-proof pressure transmitter with indicator
Model	1 Ads-MES-Y	2 Ads-MEC-Y	3 AdC-W-MDC-S	4 (2) AdC-MES-S (3) AdC-MEC-S
Appearance				
Size	Main unit: f122 x 190		277W x 242H x 140D	277W x 225H x 140D
Application	Authorized product for pressure-resistant & explosion-proof (d2G4) Mostly for processes		<ul style="list-style-type: none"> With the field indicator dial Authorized product for pressure-resistant & explosion-proof d2G4 	<ul style="list-style-type: none"> With the field indicator dial Authorized product for pressure-resistant & explosion-proof d2G4
Pressure range	0~0.1MPa→0~200MPa Vacuum, compound	0~5kPa→0~0.09MPa Vacuum, compound	0~5kPa→0~0.5MPa	MES-S 0~0.1MPa→0~200MPa Vacuum, compound MEC-S 0~5kPa→0~0.09MPa Vacuum, compound
Case	Drip-proof ADC silver gray		Drip-proof ADC silver gray	Drip-proof, ADC, silver gray
Detection	Metal strain gauge	Semiconductor strain gauge	Semiconductor differential pressure sensor	(2) Metal strain gauge (3) Semiconductor pressure sensor
Wet parts materials	SUS316+SUS630	SUS316+SiO2+NBR	SUS316+SiO2+NBR	(2) SUS316+SUS630 (3) SUS316+SiO2+NBR
Connection	G3/8, 1/2, R3/8, 1/2, NPT3/8, 1/2		G, R, NPT3/8, 1/2	G, R, NPT3/8, 1/2
Power	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 		<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire)
Output signal	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)		DC4~20mA (2,4-wire) DC0~10mV (4-wire) DC1~5V (4-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)
Load resistance	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ		Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100k
Accuracy (at 20°C)	±0.6, 1.0%F.S		±1%	Indication ±1.6%F.S. Outputs ±1.0%F.S.
Operation temperature of the pressure receiving part	-10~+40°C		-20~+80°C	-10~+40°C
Others	<ul style="list-style-type: none"> Mounting on a 2-inch pipe stand or a wall Zero adjustment (external adjustment), span adjustment: ±8%F.S f50 indicator is also available. (0.1~5MPa) With a frame arrester Pressure-resistant packing lead-tool is also available. Weight: About 3.2kg. 		<ul style="list-style-type: none"> Zero adjustment, span adjustment: ±10%F.S, external adjustment Weight is about 8.5kg. With a frame arrester 	<ul style="list-style-type: none"> Zero adjustment ±10%F.S, (external adjustment) Weight: About 5.5kg. (2) (3) with a frame arrester

Product name	General type pressure transmitter	Pressure transmitter with indicator	Small-size pressure transmitter	Small-size pressure transmitter
Model	5 (1) MES-C (2) MEC-C	6 MET-B (φ150) MET-E (φ100)	7 (1) MES-T249 (2) MEC-T249	8 (1) MES-N249 (2) MEC-N249
Appearance				
Size	Square 100W x 165H x 60D	Dial diameter: 100, 150	φ63 x 81	φ42 x 40
Application	<ul style="list-style-type: none"> General type mainly to be installed with equipment Parallel installation is possible. 	<ul style="list-style-type: none"> With the field indicator dial 	<ul style="list-style-type: none"> Compact, light and reasonable price High accuracy Applicable for all industries 	<ul style="list-style-type: none"> Compact, light, reasonable price High accuracy Applicable for refrigerators and construction machines
Pressure range	MES-C 0~0.1~0~200MPa Vacuum, compound MEC-C 0~20kPa→0~0.09MPa Vacuum, compound Drip-proof, ADC, black	0.05MPa→0~50MPa Vacuum, compound	MES 0~0.1MPa→0~600MPa Vacuum, compound MEC 0~5kPa→0~0.09MPa Vacuum, compound	MES 0~0.1MPa→0~100MPa Vacuum, compound MEC 0~5kPa→0~0.09MPa Vacuum, compound
Case	(1) Metal strain gauge (2) Semiconductor strain gauge	Drip-proof, ADC, black	Drip-proof, ADC, silver	SUS304
Detection	(1) SUS316+SUS630 (2) SUS316+SiO2+NBR	Bourdon-tube — Differential transformer	(1) Diaphragm metal strain gauge (2) Semiconductor strain gauge	(1) Diaphragm metal strain gauge (2) Semiconductor strain gauge
Wet parts materials	G1/4, 3/8, R1/4, 3/8, NPT1/4, 3/8	SUS316 or SUS316L	(1) SUS304+SUS630 (2) SUS304+SiO2+NBR	(1) SUS316+SUS630 (2) SUS316+SiO2+NBR
Connection	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire) Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	G, R, NPT3/8, 1/2	G3/8 (Spec. over 100MPa should be determined by the arrangement.)	G3/8, 7/16 —20UNF
Power	fi DC24V ±10% fi AC100, 110, 200, 220V ±10% 50/60Hz (4-wire)	fi DC24V ±10% fi AC100, 110, 200, 220V ±10% 50/60Hz (4-wire)	fi DC24V ±10%	fi DC24V ±10%
Output signal	DC4~20mA (2-wire) DC1~5V (3-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	DC4~20mA (2-wire) DC1~5V (3-wire)	DC4~20mA (2-wire) DC1~5V (3-wire)
Load resistance	±1.0%F.S	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ
Accuracy (at 20°C)	-10~+60°C	Indication ±1.6%F.S. Output ±1.0%F.S.	±0.6%F.S. ±1.0%F.S.	±0.6%F.S. ±1.0%F.S.
Operation temperature of the pressure receiving part		-5~+45°C	-10~+60°C	-10~+60°C
Others	<ul style="list-style-type: none"> Self standing or wall-mounting with 4 screws for installation Zero adjustment, span adjustment (all internal adjustment) ±8%F.S. Weight: About 1.2kg 	<ul style="list-style-type: none"> Zero adjustment, span adjustment: ±10%F.S. 	<ul style="list-style-type: none"> Allowable over pressure: 200%F.S. 20MPa Vibration resistance: Within 10G Responsibility: Within 2ms Weight: About 0.3kg 	<ul style="list-style-type: none"> Allowable over pressure: 200%F.S. 20MPa Vibration resistance: Within 10G Responsibility: Within 2ms Weight: About 0.3kg

Product name	Pressure transmitter for polystyrene foam molding	Low range differential pressure transmitter	Low range differential pressure transmitter
Model	9 MHC-P	10 MDC-Y	11 EMT-1
Appearance			
Size	Pressure receiving part φ36 x 200 l	Main unit: φ122 x 190	100 x 100 x 110H
Application	<ul style="list-style-type: none"> For the polystyrene foam molders Applicable for high temperature by liquid medium 	<ul style="list-style-type: none"> Small-size differential pressure transmitter Draft pressure detection of the stack Monitoring the filter clogging Flow rate detection 	<ul style="list-style-type: none"> Measurement of the super low range differential pressure High pressure resistant Measurement of the clean room inner pressure Low cost
Pressure range	0.02MPa→0~1MPa	0~10kPa→0~1MPa Standard pressure less than 1MPa	0~10Pa Pressure resistance 0.1MPa→0~50KPa
Case	Amplifier, ADC material, black	Drip-proof, ADC, silver	Waterproof, ADC, gray
Detection	Diaphragm Semiconductor strain gauge	Semiconductor differential pressure sensor	Diaphragm Differential transformer
Wet parts materials	SUS316+SUS316L (D)	SiO ₂ +SUS316+NBR (or Viton)	Silicon rubber+Aluminum+NBR
Connection	Loose flange connection (Inserting depth is adjustable.)	G3/8, 1/2	Vinyl pipe, rubber tube or metal pipe
Power	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10% AC100, ±10% 50/60Hz (4-wire)
Output signal	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	DC4~20mA (2,4-wire) DC0~5V (3,4-wire) DC1~5V (3,4-wire)
Load resistance	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	500Ω
Accuracy (at 20°C)	±1.0%F.S	±1.0%F.S	±1.0%F.S. (Less than 30Pa: ±2% F.S)
Operation temperature of the pressure receiving part	-20~+150°C	-20~+80°C	0~+50°C
Others	<ul style="list-style-type: none"> Receiver (analog or digital type) and pressure receiving part and amplifier compose one set. Zero adjustment, span adjustment: ±10%F.S. 	<ul style="list-style-type: none"> Mounting on a 2-inch pipe stand or a wall for installation Zero adjustment, span adjustment: ±10%F.S. 	<ul style="list-style-type: none"> Accessories such as the filter and corrosive gas absorber are available. Cable, conduit and metal connector wiring are available. Weight: About 1.1Kg

Product name	Submersible level transmitter	Sanitary Level And Pressure Transmitters		Sanitary differential pressure level transmitter
Model	12 MES-R	13 MSC-N	14 MSC-Y	15 MDC-Y
Appearance				
Size	φ300 x About 300H	Main unit: φ44 x 120	Main unit: φ122 x 190	Main unit: φ122 x 190
Application	<ul style="list-style-type: none"> Level detection of the waste water basin, septic tank, soil tank and dam Throwing in the liquid for use Liquid flow arrangement should be done. 	<ul style="list-style-type: none"> Level detection of the tank mostly for the food, cosmetics and pharmaceutical industries There is no liquid detention. 	<ul style="list-style-type: none"> Level detection of the tank mostly for the food, cosmetics and pharmaceutical industries There is no liquid detention. d2G4 explosion proof type is also available. 	<ul style="list-style-type: none"> Level detection of closed tanks Mostly for tanks in the food, cosmetics and pharmaceutical industries
Pressure range	0~50kPa (5m)→0~0.5MPa (50m)	0~20KPa→0~1MPa	0~20KPa→0~1MPa	0~15kPa→0~60kPa Standard pressure MAX.1MPa
Case	Waterproof, entire exterior SUS	Waterproof, SUS, polished	Waterproof, ADC, silver gray	Drip-proof, ADC, silver gray
Detection	Metal strain gauge	Semiconductor strain gauge	Semiconductor strain gauge	Semiconductor differential pressure sensor
Wet parts materials	SUS316+SUS630	SUS316, SUS316L	SUS316, SUS316L	SUS316, SUS316L
Connection	Throw-in type	Flange type, more than JIS10K 50A (Applicable for other various connections)	Flange type, more than JIS10K 50A (Applicable for other various connections)	Flange connection, more than JIS 10K 50A (Applicable for other various connections)
Power	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10% 	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire)
Output signal	DC4~20mA (2,4-wire)	DC4~20mA (2,4-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)
Load resistance	550Ω (600Ω for 4-wire)	MAX : 550Ω (600Ω for 4-wire)	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ
Accuracy (at 20°C)	±1.5%F.S	±1.0%F.S (-5~40°C)	±1.0%F.S (-5~40°C)	±1.0%F.S (-5~40°C)
Operation temperature of the pressure receiving part	-20~+40°C	-10~+150°C	-10~+150°C	-10~+150°C
Others	<ul style="list-style-type: none"> Using silicon oil for the liquid medium SUS or plastic chain is attached. Converter is installed outside. Weight: About 15.0kg 	<ul style="list-style-type: none"> Allowable over pressure 200%F.S. Liquid medium: Silicon oil Temperature coefficient: 40Pa/°C (Diaphragm diameter: 72φ) 	<ul style="list-style-type: none"> Allowable over pressure 200%F.S. Liquid medium: Silicon oil Temperature coefficient: 40Pa/°C (Diaphragm diameter 72φ) Mounting on a 2-inch pipe stand or a wall for installation 	<ul style="list-style-type: none"> Allowable over pressure 200%F.S. Liquid medium: Silicon oil Temperature coefficient: 40Pa/°C (Diaphragm diameter 72φ) Mounting on a 2-inch pipe stand or a wall for installation With O-suppression (MAX.120%) Capillary type MAX.5m





Enter each model number.


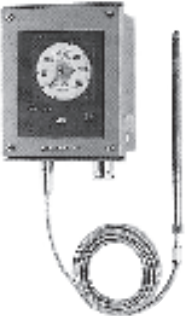


(Example) M E S - Y 2 0 A
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(Example) M E S - Y 2 0 A
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Input	2	DC24V (2-wire)
	4	AC100/110V
	8	AC200/220V
Output	0	DC0~10mV
	4	DC4~20mV
	5	DC1~5V




Types of pressure receiving part of diaphragm	A	φ8 diaphragm seal
	B	φ10 diaphragm seal
	C	φ15 diaphragm seal
	D	φ18 diaphragm seal
	E	φ24 diaphragm seal
	2	φ28 to φ91 diaphragm seal

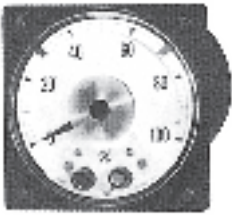



Product name	Small-Diaphragm-Seal Pressure Transmitter			
Model	23 MES-Y	24 MES-C	25 MES-B	26 MES-T
Appearance				
Size	Main unit φ122 x 190	Main unit: 100W x 130H x 59D	Case diameter: φ150	φ63 x 80
Application	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure 	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure 	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure With the field indication dial 	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure Without the field indication dial Only non-capillary type
Pressure range	0~5MPa→0~70MPa (Varies depending on the diaphragm diameter.)	0~5MPa→0~70MPa (Varies depending on the diaphragm diameter.)	0~5MPa→0~70MPa (Varies depending on the diaphragm diameter.)	0~5MPa→0~70MPa (Varies depending on the diaphragm diameter.)
Case	Waterproof, ADC, silver gray	General type, ADC, black	Drip-proof, ADC, black	Drip-proof, ADC, silver
Detection	Diaphragm Metal strain gauge	Diaphragm Metal strain gauge	Diaphragm Metal strain gauge	Diaphragm Metal strain gauge
Wet parts materials	SUS316+SUS316L	SUS316+SUS316L	SUS316+SUS316L	SUS316+SUS316L
Connection	G1/4 union, 1/2-20UNF (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)	G1/4 union, 1/2-20UNF (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)	G1/4 union, 1/2-20UNF (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)	G1/4 union, 1/2-20UNF (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)
Power	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	<ul style="list-style-type: none"> DC24V ±10%
Output signal	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	DC4~20mA (2-wire) DC1~5V (3-wire)
Load resistance	500Ω (600Ω for 4-wire)	500Ω (600Ω for 4-wire)	500Ω (600Ω for 4-wire)	500Ω
Accuracy (at 20°C)	±1.0%F-S (Between Dial 20% and 80%)	±1.0%F-S (Between Dial 20% and 80%)	±1.0%F-S (Between Dial 20% and 80%)	±1.0%F-S (Between Dial 20% and 80%)
Operation temperature of the pressure receiving part	-20~+350°C (Mercury) (when pressurized)	-20~+350°C (Mercury) (when pressurized)	-20~+350°C (Mercury) (when pressurized)	-20~+350°C (Mercury) (when pressurized)
Others	<ul style="list-style-type: none"> As a liquid medium, φ8, φ10, φ15 uses mercury. Others use mercury or non-mercuric medium. Thermocouple can be mounted. (Simultaneous measurement of temperature and pressure is possible.) Capillary type can be manufactured. (Max: φ8 and 3m) Authorized product for pressure-resistant explosion-proof is available. 	<ul style="list-style-type: none"> As a liquid medium, φ8, φ10, φ15 uses mercury. Others use mercury or non-mercuric medium. 	<ul style="list-style-type: none"> As a liquid medium, φ8, φ10, φ15 uses mercury. Others use mercury or non-mercuric medium. 	<ul style="list-style-type: none"> As a liquid medium, φ8, φ10, φ15 uses mercury. Others use mercury or non-mercuric medium.

Product name	Small-Diaphragm-Seal Pressure Transmitter	Small-Diaphragm-Seal Pressure Transducer		
Model	27 MGS-C	28 MES-Z	29 TTS-N68	30 TTJ-N68
Appearance				
Size	Main unit: 1000W x 130H x 59D		Main unit: φ38 x 115	Main unit: φ38 x 115
Application	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure With the digital field indicator 	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure With the square indicator 	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure 	<ul style="list-style-type: none"> Extruder, plastic molder and adhesive dispenser For the detection of other high temperature, high viscosity and coagulating fluid pressure Temperature can be detected simultaneously (with a thermocouple).
Pressure range	0~5MPa→0~70MPa (Varies depending on the diaphragm diameter.)	0~5MPa→0~70MPa (Varies depending on the diaphragm diameter.)	0~10MPa→0~70MPa (Varies depending on the diaphragm diameter.)	0~10MPa→0~70MPa (Varies depending on the diaphragm diameter.)
Case	General type, ADC, black	General type, ADC, black	General type, SUS	General type, SUS
Detection	Diaphragm Metal strain gauge	Diaphragm Metal strain gauge	Diaphragm Metal strain gauge	Diaphragm Metal strain gauge
Wet parts materials	SUS316+SUS316L	SUS316+SUS316L	SUS316+SUS316L	SUS316+SUS316L
Connection	G1/4 union, 1/2-20UNF (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)	G1/4 union, 1/2-20UNF (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)	G1/4 union (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)	G1/4 union (φ8) G3/8 union (φ10) G1/2 union (φ15) G3/4 union (φ18)
Power	<ul style="list-style-type: none"> DC24V ±10% 	<ul style="list-style-type: none"> DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) 	Max.loading voltage DC10V Option: DC5V	Max.impressed voltage DC10V Option: DC5V
Output signal	DC4~20mA (2-wire) DC1~5V (3-wire)	DC4~20mA (2,4-wire) DC0~10mV (3,4-wire) DC1~5V (3,4-wire)	2mV/V and 3.33mV/V Any output version is available by making a set with a converter. Option: 70±25mV	2mV/V and 3.33mV/V Any output version is available by making a set with a converter. Option: 70±25mV
Load resistance	500Ω	500Ω (600Ω for 4-wire)	Bridge resistance: 350Ω Option: 3.5±1.5kΩ	Bridge resistance: 350Ω Option: 3.5±1.5kΩ
Accuracy (at 20°C)	±1.0%F-S (Between Dial 20% and 80%)	±1.0%F-S (Between Dial 20% and 80%)	±1.0%F-S	±1.0%F-S
Operation temperature of the pressure receiving part	-20~+350°C (Mercury) (when pressurized)	-20~+350°C (Mercury) (when pressurized)	-20~+350°C (Mercury) (when pressurized)	-20~+350°C (Mercury) (when pressurized)
Others	<ul style="list-style-type: none"> As a liquid medium, φ8, φ10, φ15 uses mercury. Others use mercury or non-mercuric medium. LED : 3 digits Sampling: 4 times/sec. 	<ul style="list-style-type: none"> As a liquid medium, φ8, φ10, φ15 uses mercury. Others use mercury or non-mercuric medium. 	<ul style="list-style-type: none"> Capillary type only (Max.2m) As a pressure medium, φ8, φ10, φ15 uses mercury. Others use mercury or non-mercuric medium. 	<ul style="list-style-type: none"> Capillary type only (Max.2m) With the temperature detection Liquid medium is mercury.

Product name	General type transducer	Temperature detection terminal	Sanitary temperature transmitter
Model	31 TTS-N	32 —	33 —
Appearance			
Size	24 x 28HEX x 64	φ98 x 40D	φ63 x 350
Application	<ul style="list-style-type: none"> fi Compact, light, reasonable price fi High accuracy fi Freezer, construction machines and medical instruments 	<ul style="list-style-type: none"> fi Temperature detection of the high temperature and high pressure fluid at such as an extruder fi Cable end is fitted with the pressure transmitter of φ6 and φ8. 	<ul style="list-style-type: none"> fi For the fluid temperature transmission of food tanks and pipeline
Pressure range	0~0.3MPa→0~100MPa Vacuum, compound	Temperature range 0—40°C→0~500°C	Temperature range Platinum resistor element —100↔MAX400°C Thermocouple MAX1200°C(K)
Case	Drip-proof, SUS	Main unit: plastic, drip-proof	Drip-proof, ADC, silver
Detection	Diaphragm metal strain gauge	Model K Thermocouple Model J	Temperature measuring resistor or thermocouple
Wet parts materials	SUS316+SUS630	SUS316	SUS316
Connection	G3/8 (Spec. over 100MPa should be determined by the arrangement.)	G1/4 union (φ8) G3/4 union (φ18)	Ferrule, cap nut and thread types
Power	Recommendable impressed voltage: 5V	—	—
Output signal	5MPa 60±25mVDC 100MPa 70±25mVDC	Standard output of thermocouple	(Example) by JIS Thermocouple: K1000°C 41.31mV Pt100Ω 400°C
Load resistance	Bridge resistance: 3.5±1.5kΩ	—	—
Accuracy (at 20°C)	±0.5, 1.0%F·S	0.4CLASS	Within ±0.6%F·S.
Operation temperature of the pressure receiving part	-20~+60°C	Temperature range	—
Others	<ul style="list-style-type: none"> • Cable end is open free. • Specify the cable length. 	fi Capillary 2,000~5,000mm	

Product name	Digital pressure gauge	Portable digital pressure gauge	Digital pressure gauge with peak hold	Digital pressure gauge with contacts
Model	34 MGS-J MGC-J	35 MES-ZS MEC-ZS	36 MUS-H MSC-H	37 MWS-J MWC-J
Appearance				
Size	Dial diameter: f100	Main unit: 92W x 155H x 45D	Main unit: 108W x 130H x 40D	Dial diameter: f100
Application	<ul style="list-style-type: none"> • It can be used instead of Bourdon-tube pressure gauge • Output can be obtained. • Maximum indication: 0~1999 	<ul style="list-style-type: none"> • You can carry the gauge and check the pressure at the desired place. • It indicates for 20 seconds. • Power is the battery. • Maximum indication: 0~1999 	<ul style="list-style-type: none"> • Portable to measure the pressure wherever you want • With function of releasing inner pressure 	<ul style="list-style-type: none"> • ON-OFF control of alarms and motors and others
Pressure range	0~5kPa→0~100MPa Compound (same unit), vacuum	0~20kPa→0~70MPa Compound (same unit), vacuum	0~20kPa→0~35MPa Compound (same unit), vacuum	0~5kPa→0~100MPa
Case	Drip-proof, ADC, black	General type, plastic, gray	General type, steel plate	General type, ADC, black
Detection	Diaphragm semiconductor strain gauge or metal strain gauge	Diaphragm semiconductor strain gauge or the metal strain gauge	Diaphragm semiconductor strain gauge or the metal strain gauge	Diaphragm semiconductor strain gauge or the metal strain gauge
Wet parts materials	SUS316+SiO2+NBR SUS316+SUS630	SUS316 or BRASS+SiO2+NBR SUS316+SUS630	SUS316+ Silicon mono-crystal+SiO2 or SUS316+SUS630	SUS316+SiO2+NBR or SUS316+SUS630
Connection	G, R, NPT3/8, 1/2	G, R, NPT1/4, 3/8, Hose port (One with the permanent type is available.)	G, R, NPT1/4, 3/8	G, R, NPT3/8, 1/2
Power	<ul style="list-style-type: none"> • AC100, 110, 200, 220V ±10% 50/60Hz (4-wire) DC24V 	U3 dry cell x 4 pieces	AC100, 110V ±10% 50/60Hz (4-wire)	AC100V, AC200V, DC24V
Output signal	Option DC4~20mA (4-wire) DC0~10mV (4-wire) DC1~5V (4-wire)	—	Option DC4~20mA (4-wire)	Option DC4~20mA DC0~10mV DC1~5V
Load resistance	500Ω	—	500Ω	500Ω
Accuracy (at 20°C)	±0.5%F·S ±1digit	±0.6%F·S ±1digit	±1.0%F·S ±1digit	±0.6%F·S ±1digit
Operation temperature of the pressure receiving part	-10~+60°C	0~+60°C	-10~+60°C	-10~+60°C
Others	<ul style="list-style-type: none"> • Case shape: B type and D type are available. • Indicator: LED 3 digits • Sampling: 2.5 times/sec. • Contact capacity: AC250V 8A • Diaphragm seal type is available. 	<ul style="list-style-type: none"> • Equipped with the automatic power off function • With the alarm to replace batteries • Indicator: LDC 3 digits • Sampling: 2.5 times/sec. • Battery life: About 100 hours • Weight: About 0.4kg 	<ul style="list-style-type: none"> • With peak-hold function • BCD parallel output available • Indicator: LED 3 digits • Sampling: 2.5 times/sec. 	<ul style="list-style-type: none"> • Diaphragm type is available.

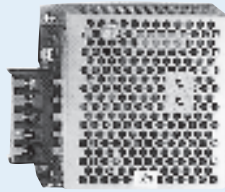
Product name	Digital differential pressure gauge	Pressure-resistant & explosion-proof pressure transmitter with digital indicator	Electronic switch
Model	³⁸ MDC-J448	³⁹ (1) Adc-MGC-S (2) Adc-MGS-C	⁴⁰ MWT-C (1 point~3 points)
Appearance			 (Picture shows the 3-point model.)
Size	Dial diameter: f100	277W x 245H x 140D	Main unit: 100W x 130H x 59D
Application	<ul style="list-style-type: none"> Differential pressure is indicated in digital 	<ul style="list-style-type: none"> With the field indicating dial (digital) Authorized product for pressure-resistant and explosion-proof 	<ul style="list-style-type: none"> Contacts life is long. Resistant to the vibration and shocks Compact and light with 3-point
Pressure range	0~10kPa→0~0.3MPa Standard pressure is less than 1MPa.	(1) 0~5kPa→0~0.09MPa (2) 0~0.1→0~200MPa	0~0.05MPa→0~50MPa
Case	Drip-proof, ADC, black	Drip-proof, ADC, silver gray	General type, ADC
Detection	Semiconductor differential pressure sensor	(1) Semiconductor pressure sensor (2) Metal strain gauge	Bourdon-tube or the differential transformer or the semiconductor strain gauge
Wet parts materials	SUS316+SUS316L+NBR	(1) SUS316+SiO2+NBR (2) SUS316+SUS630	SUS316 or brass or silicon single crystal +SiO2 + NBR
Connection	G3/8, 1/2	G, R, NPT3/8, 1/2	G, R, NPT1/4, 3/8
Power	AC100, 110, 200, 220V ±10% 50/60Hz DC24V	DC24V ±10% AC100, 110, 200, 220V ±10% 50/60Hz (4-wire)	AC100, 110, 200, 220V ±10% 50/60Hz
Output signal	Option DC4~20mA (4-wire)	DC4~20mA (4-wire) DC0~10mV (4-wire) DC1~5V (4-wire)	Relay output resistance load AC100V 3A
Load resistance	500Ω	Output of power current : MAX 550Ω(600Ω for 4-wire) Output of power voltage : MIN 100kΩ	—
Accuracy (at 20°C)	±1.6%F-S ±1digit	±1.0%F-S ±1digit	Contact accuracy 2%F.S.
Operation temperature of the pressure receiving part	-10~+60°C	-10~+40°C	-10~+60°C
Others	<ul style="list-style-type: none"> Indicator: LED 3 digits One side pressure resistance: 0.1MPa Inapplicable for fluids 	<ul style="list-style-type: none"> Zero adjustment, span adjustment ±10%F.S., external adjustment Setting with the rotary switch Liquid medium type is available. With a frame arrester 	<ul style="list-style-type: none"> Setting by the external volume knob or the internal rotary switch (2-digit) Liquid medium type is available.

Product name	Receiver		
Model	⁴¹ Wide-angle receiver	⁴² Meter relay NRC	⁴³ Digital panel meter DT-5/DM-5
Appearance			DM-5 (with contacts)  DT-5 
Size	110M x 75D	120W x 100H x 86D	96W x 48H x 145D
Application	<ul style="list-style-type: none"> Easy view gauge by the wide-angle dial Dial with the desired unit is available. 	<ul style="list-style-type: none"> With upper and lower limits contacts Large contacts capacity Dial with the desired unit is available. 	<ul style="list-style-type: none"> Thermocouple or temperature measuring resistor input can be indicated. LED allows easy reading. Large figure with the height of 12.7
Input signal	DC4~20mA DC0~10mV DC1~5V or others	DC4~20mA DC0~10mV DC1~5V or others	DC4~20mA, DC0~10mV, DC1~5V and others (Transducer output can be directly input and indicated.)
Case	General type, plastic	Panel embedded type, plastic	Panel embedded type, plastic, gray
Detection	Moving-coil type	Moving-coil type Photoelectric non-contact 2ab	Double integral type Contacts analog comparison type 2ab
Power	AC100V or AC200V is required when the measurement range is DC0~10mV.	AC100, 110, 200, 220V ±10% 50/60Hz	• AC100, 110, 200, 220V ±10% 50/60Hz
Output signal	—	Relay output (H, L) AC250V, 3A (Resistance load) DC30V, 3A	Relay output (H, L) AC250V, 1A (Resistance load)
Accuracy (at 20°C)	±0.6, 1.0, 1.6%F-S	±1.6%F-S	±0.2%F-S ±1digit
Allowable ambient temperature	50°C	50°C	50°C
Others	Graduation unit of dial is MPa, %, NM ³ /H or others are available on the customer's order.	Graduation unit of dial is MPa, %, NM ³ /H or others are available on the customer's order.	<ul style="list-style-type: none"> Scaling meter: One point fixed (Adjusted by the manufacturer) 2-wire process digital meter BCD indicator Various digital meter relays are available.

Peripheral equipment

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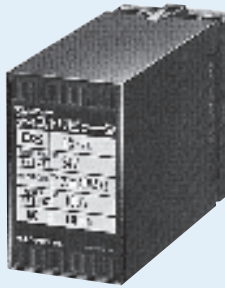
Power Box Model J006



Rated output voltage: 24V
Raged output current: 0.7A
Input voltage: AC85~264V
Frequency: 47~440Hz
Ripple noise: 150mV MAY
Overcurrent protection: Operation at 105%
Overvoltage protection: 115~140%
In the case of computers and recorders,
use the following stabilized power supply.

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Distributor Model DS-24



Exclusive for 2-wire type single loop
Stabilized power supply
Rated output: DC24V
Power supply: AC100V \pm 10%

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Converter

MAC-C

(For diffusion-type semiconductor sensors)

MAS-C

(For strain gauges)



The converter is connected with the pressure transducer to convert the pressure transducer supply power and its output signal to the output of DC4~20mA.

Power supply
DC24V \pm 10% (2-wire, 4-wire)
AC100, 110, 200, 220V \pm 10% 50/60Hz
Dimensions: 108W x 130H x 59D