

SPECIFICATIONS

MODEL	EPM-96	EPM-96F
Measuring range	pH 0 to pH14: Resolution 0.01pH 0 to 100 °C: Resolution temp. 1 °C (Selection display)	
Repeatability Within (in equivalent input)	Less than ±0.05pH	
Transmission output	4 mA to 20 mA DC Input / Output isolated type Maximum load resistance: 900Ω Transmission output range: Freely selectable within the measurement range	
Contact output	2 point (A1, A2)	4 point (A1, A2, A3, A4)
	Relay contact: SPDT(1c) 240 V AC, 3 A and 30 V DC, 3 A (resistance load)	
	<ul style="list-style-type: none"> Selectable from upper / lower limit operation (ON / OFF control) Select from "Abnormal warning" or "It is maintaining it." 	<ul style="list-style-type: none"> Selectable from upper / lower limit operation (ON / OFF control, Timesharing proportional control) Select from "Abnormal warning" or "It is maintaining it."
Contact input	—	1 point (External input for holding)
Calibration function	<ul style="list-style-type: none"> Automatic proofreading: 2 point Automatic potential stability judgment standardized solution pH2,pH4,pH9,pH10(JIS) and pH7(JIS) combination Manual proofreading: Differences more than arbitrary 2pH Temperature: 1point 	
Transmission output hold feature	Select from "Previous value hold" or "Optional value hold" or "Continuous" However, only the previous value hold is available in the maintenance mode.	
Self-diagnosis function	<ul style="list-style-type: none"> The proofreading is defective. The incompetent potential is abnormal. Electrode diagnosis Temperature sensor short-circuit. Outside measurement range The converter is abnormal. 	
Control operation	-	Timesharing proportional control <ul style="list-style-type: none"> Range of bound pair setting: 0.00pH to 14.00 pH Proportional band: 0.01pH to 4.00 pH Cycle: 5~300 sec. Control output shift function: Shift amount 0% to 50% at cycle Automatic changeability function of cycle: The cycle extends automatically according to deflection when entering the range (F zone) with deflection. F zone: 1% to 100% of proportional band The maximum extension time at cycle: 0 sec. to 300 sec. Amount of the maximum control: 50% to 100%(It operates regardless of the proportional band.)



Temperature amends element	500Ω(25°C), 6.8kΩ(25°C), 1kΩ(0°C), 10kΩ(25°C), 350Ω(25°C), There is no amends. Selectable from the above	
Ambient environment	Temperature: -5°C to 45°C Relative humidity: 20% to 85% (without dew condensation)	
Storage ambient	-25°C to 65°C	
Power supply	Rated voltage 100 V to 240 V AC, 50/60 Hz, 10VA (max.)	Rated voltage 100 V to 240 V AC, 50/60 Hz, 15VA (max.)
Structure	Indoor-use panel installation type Panel case: ABS Terminal: PBT Panel: Dust and water proof structure	
Protective structure	Panel:IP65(IEC60529, JIS C0920) Rear case: IP20 Terminal: IP00 Class II equipment: IEC61010-1 Pollution level 2: IEC61010-1	
Conforming standards	FCC Rule	
External dimensions	96mm (W)×96mm (H)×115mm (D) Case depth: approx. 105 mm (when panel-mounted)	
Weight	500 g	550 g

SPECIFICATIONS

MODEL	EOM-96
Measuring range	±2,000mV: Resolution 1mV
Repeatability Within (in equivalent input)	Less than ±5mV
Transmission output	4 mA to 20 mA DC Input / Output isolated type Maximum load resistance: 900Ω Transmission output range: Freely selectable within the measurement range
Contact output	2 point (A1, A2) Relay contact: SPDT(1c) 240 V AC, 3 A and 30 V DC, 3 A (resistance load) •Selectable from upper / lower limit operation (ON / OFF control) •Select from "Abnormal warning" or "It is maintaining it."
Calibration function	Sensitivity revision adjust: ±200mV span variable range: 50.0~150.0%
Transmission output hold feature	Select from "Previous value hold" or "Optional value hold" or "Continuous" However, only the previous value hold is available in the maintenance mode.
Self-diagnosis function	•Outside measurement range •The converter is abnormal.
Ambient environment	-5°C to 45°C Relative humidity: 20% to 85% (without dew condensation)
Storage ambient	-25°C to 65°C
Power supply	Rated voltage 100 V to 240 V AC, 50/60 Hz, 10VA (max.)
Structure	Indoor-use panel installation type Panel case: ABS Terminal: PBT Panel: Dust and water proof structure
Protective structure	Panel: IP65 (IEC60529, JIS C0920) Rear case: IP20 Terminal: IP00 Class II equipment: IEC61010-1 Pollution level 2: IEC61010-1
Conforming standards	FCC Rule
External dimensions	96mm (W)×96mm (H)×115mm (D) Case depth: approx. 105 mm (when panel-mounted)
Weight	500g



SPECIFICATIONS

MODEL	ERM-96
Measuring range	Method for measurement: galvanic cell 0~2mg/L: Resolution 0.01mg/L Selectable from the indication of decimal one column or two columns
Repeatability Within (in equivalent input)	Less than $\pm 5\text{mV}$
Transmission output	4 mA to 20 mA DC Input / Output isolated type Maximum load resistance: 900 Ω Transmission output range: Freely selectable within the measurement range
Contact output	2 point (A1, A2) Relay contact: SPDT(1c) 240 V AC, 3 A and 30 V DC, 3 A (resistance load) •Selectable from upper / lower limit operation (ON / OFF control) •Select from "Abnormal warning" or "It is maintaining it."
Calibration function	•Zero Quantity Calibration •Span Calibration (Comparison proofreading with DPD tester)
Transmission output hold feature	Select from "Previous value hold" or "Optional value hold" or "Continuous" However, only the previous value hold is available in the maintenance mode.
Self-diagnosis function	•The proofreading is defective. •Outside measurement range •The converter is abnormal.
Ambient environment	Temperature: -5°C to 45°C Relative humidity: 20% to 85% (without dew condensation)
Storage ambient	-25°C to 65°C
Power supply	Rated voltage 100 V to 240 V AC, 50/60 Hz, 10VA (max.)
Structure	Indoor-use panel installation type Panel case: ABS Terminal: PBT Panel: Dust and water proof structure
Protective structure	Panel: IP65 (IEC60529, JIS C0920) Rear case: IP20 Terminal: IP00 Class II equipment: IEC61010-1 Pollution level 2: IEC61010-1
Conforming standards	FCC Rule
External dimensions	96mm (W) \times 96mm (H) \times 115mm (D) Case depth: approx. 105 mm (when panel-mounted)
Weight	500g



SPECIFICATIONS

MODEL	pH recorder			ORP recorder
	EPR-1S	EPR-6S	EPR-420S	EPR-H200 (Hybrid type)
Measuring range	0 pH to 14 pH			±2,000 mV
General precision	±1% (For a full scale)			±0.05% ±10 mV
Input signal	pH electrode		4 mA to 20 mA DC	pH electrode Metal electrode
Temperature compensation	0°C to 100°C Automatic or fixed resistance 500 Ω		—	0°C to 100°C —
Method	Electronic automatic equilibrium type			Glass electrode-type mensuration Metal electrode-type mensuration
Record width	100mm			
Instructions speed	Less than 5 second. (F·S)			Less than 3 second. (F·S)
Record method	felt-tip pen			·Analog-style record: felt-tip pen ·Digital-style record: One color of ink ribbon wire dot method.
Speed of the chart	10 mm/H, 20 mm/H, 40 mm/H (3 steps of gear change)			Choose it among 41 kinds
Warning output	1 upper limit circuit and 1 lower limit circuit	—	—	1 upper limit circuit and 1 lower limit circuit "1a" 1 abnormal warning circuit "1a"
Power supply	AC 100V 50/60Hz			AC 85~264V 50/60Hz
Consumption electricity	About 7VA			About 35VA
Weight	2kg			



■ **Reference**

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