



HYBRID RECORDER

RM10C

High Reliability and Compact

Powerful and Cost Effective
Direct Input from pH Sensor



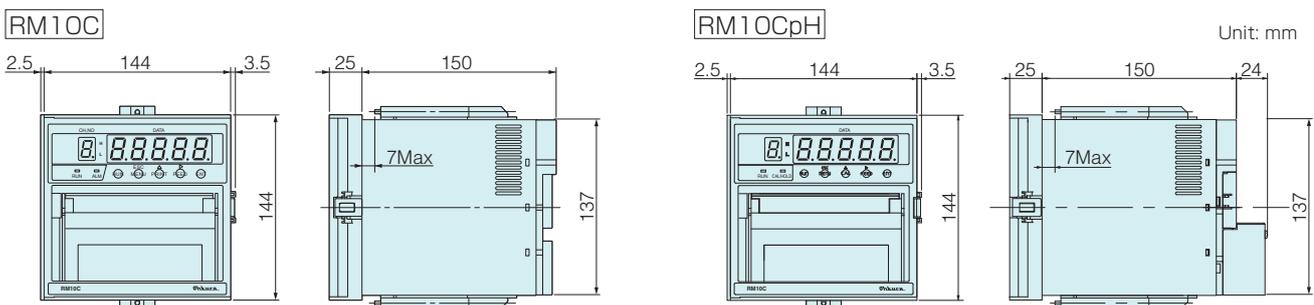
Features

- Short Case Depth and Light Weight
Dimension :144W×144H×150D(mm)~
Weight :1.5kg~
- IP-65: Dust-Proof, Water-Proof
- Highly Responsive and Multi-Functional
- Universal Input and Range
- RS-232C Provided as Standard
- Without Transducer
RM10C (pH) Sensor Input:
Glass or Metal Electrode (pH/ORP)
- UL, CSA, CE Approved

■ SPECIFICATIONS

TITLE	ITEM	PEN RECORDER	MULTIPOINT RECORDER	pH RECORDER	
Input	Measuring Point	1, 2	6	1	
	Input sampling	125ms	10s/6ch	200ms	
	Type of input	Direct voltage: ±10mV, 0-20mV, 0-50mV, ±200mV, ±1V, ±10V, 0-5V		Glass electrode (pH or ORP)	
		Direct current: 4-20mA (250Ω shunt resistance required)		Temperature compensation:	
Thermocouple: K, T, J, E, B, S, R, C, N, PR40-20, PL II, L, Au-Fe, U RTD: Pt100, JPt100		350Ω, 500Ω, 1kΩ, 6.8kΩ, 10kΩ			
Analog retransmission	—	—	—	4-20mA DC isolated, 600Ω max. (Option)	
Performance	Accuracy	±(0.2% of rdg + 3digits) max. for Digital indicator		Linearity: ±0.03pH(±3mV) Repeatability: ±0.02pH(±1mV)	
	Noise reduction	NMRR: 60dB min. (50/60Hz±0.1Hz)		—	
		CMRR: 140dB min. (50/60Hz±0.1Hz)		100dB min. (50/60Hz±0.1Hz)	
	Isolation resistance	0.5kV DC 20MΩ min. between the each terminal and grounding terminal		0.5kV DC 1000MΩ min. between R and G terminal and grounding terminal	
	Dielectric strength	1.5kV AC for 1 minute between power terminal and grounding terminal			
		0.5kV AC for 1 minute between input terminal and grounding terminal			
Vibration resistance	10 to 60Hz 1m/s ² max.				
Shock resistance	2m/s ² max.				
Alarm	Nos.of relay outputs	3 outputs (Form A contacts: Built-in option)	6 outputs (Form A contacts: Built-in option)	2 Alarm outputs, 2 types(H,L) 1 Error output(Form A contacts: Built-in option)	
	Alarm output contact capacity	250V AC 3A max. (resistance load), 30V DC 3A max. (resistance load)			
Communication	Interface	RS-232C (Standard), RS-485 (Option)		RS-232C (Standard)	
Power supply	Rated power voltage	100-240VAC (50/60Hz)			
	Power consumption	30VA max.(100V AC)	25VA max.(100V AC)	20VA max.(100V AC)	
Structure	Mounting/Housing	Panel mounting / Front panel: Dust-proof, Water-proof (IP-65)			
	Dimension	144(W)x144(H)x150(D)mm		144(W)x144(H)x174(D)mm	
	Weight	1.8kg max.	1.5kg max.	2.0kg max.	
Operation condition	Allowable conditions	Temperature: 0-50°C, Humidity: 20-80%RH			
Recording /Printing Performance	Recording	Disposable felt pen	Wire dot 6 color ribbon	Disposable felt pen	
	Printing	Wire dot 1color ribbon	—	Wire dot 1color ribbon	
	95% step response time	1.0s max.	—	1.0s max.	
	Dot print interval	—	10.0s/6ch max.	—	
	Chart paper	Length: 16m, Width: 114mm, Width folded: 40mm			
	Chart speed	User-selective from 41 speeds in range: 5-12000mm/hr.		User-selective from 34 speeds in range: 0-1500mm/hr.	— in range: 5-12000mm/hr.
		Recording/Printing Color	Red, Green	Purple, Red, Green, Blue, Brown, Black	Red
Safety Standard and EMI Standard	Electrical safety	EN61010-1			
	Emissions	EN61326-1 Class A			
	Immunity	EN61326-1			

■ DIMENSIONS



CAUTION

Do not install this device before consulting instruction manual



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Specifications are subject to change without notice.
 For further information, a quotation or a demonstration please contact to: