RM10C HYBRID RECORDER

Highly Reliable and Compact



Direct Input from pH Sensor

NEW

Powerful and Cost Effective

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

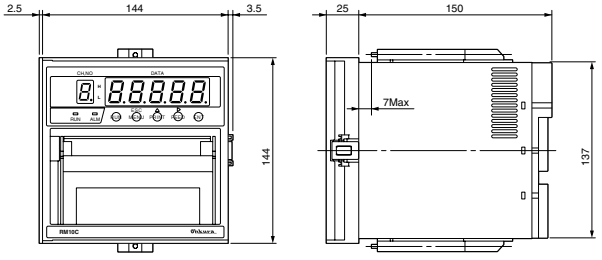
SPECIFICATIONS

RM10C HYBRID RECORDER

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		350Ω, 500Ω, 1kΩ, 6.8kΩ, 10kΩ
		RTD: Pt100, JPt100		
Analog retransmission				4-20mA DC isolated, 550Ω 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±0.1 Hz)		100dB min. (50/60Hz±0.1 Hz)
	Isolation resistance	0.5kV DC 20MΩ min. between theeach 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/s² max.		
	Shock resistance	2m/s² 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	User-selective from 34 speeds	
		in range: 5-12000mm/hr.	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	IEC1010-1,UL3101-1 installation category Ⅱ and pollution degree2. UL3101-1		
	Emissions	EN55011 Group1 Class A		
	Immunity	EN50082-2		

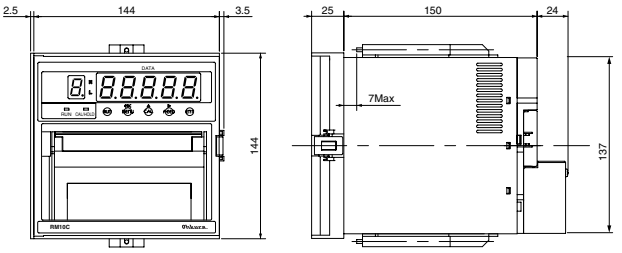
DIMENSIONS

●RM10C



●RM10CpH

Unit:mm



⚠ CAUTION

Do not install this device before consulting instruction manual

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

Ohkura

OHKURA ELECTRIC CO., LTD.

Head Office / Factory	Saitama, JAPAN
Sales Offices	Tokyo, Osaka, Nagoya, Kyushu, Tohoku
Technical Center	Tokyo
URL	http://www.ohkura.co.jp/
e-mail (in English)	intsales@ohkura.co.jp

2005.9