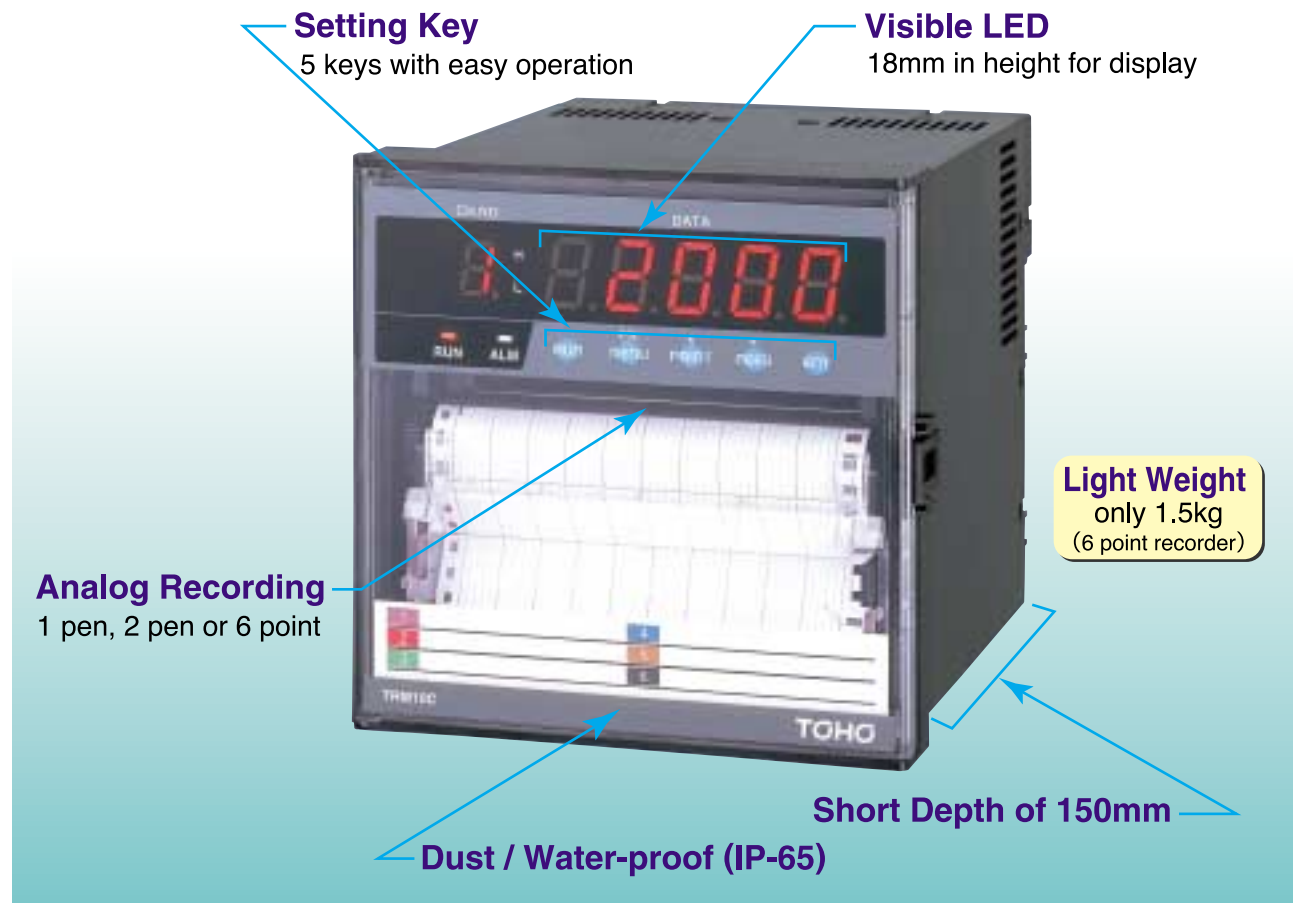


MINI RECORDER

TRM10C

Lower Price, High Reliability & User-friendly !



FEATURES

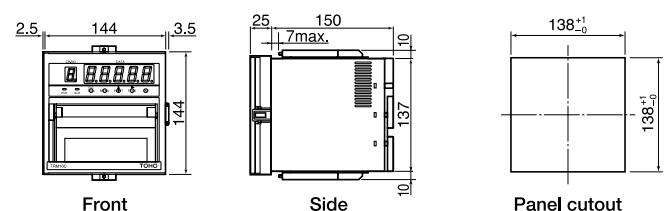
- Compact size
144 (W) × 144 (H) × 150 (D) mm
- 1.5 kg (6 point recorder) of lightest weight on an industrial level
- Universal input and range
- RS-232C communication function provided for in standard specifications
- Option (detailed on the reverse of Ordering Information) & consumables available
- IP-65 conformed with Dust-proof & Water-proof
- UL, CSA & CE approvals

Consumables

1. Chart Paper (HZCGA0105EL001)
2. Ribbon Cartridge for 6 Point Recorder (WPSR188A000001A)
3. Ribbon Cartridge for 1 Pen/2 Pen Recorder (HPSR001H0002C)
4. Cartridge Pen (WPSR196A000001A; No.1)
5. Cartridge Pen (WPSR196A000002A; No.2)
6. Shunt Resistance (HMSU3081A01)

Dimensions

Unit: mm



TRM10C MINI RECORDER

Ordering Information

OPTIONS available

T R M - 1 0 C T

① Model ←

01	1 Pen Recorder
02	2 Pen Recorder
06	6 Point Recorder

② Communication ←

0	RS-232C (Standard)
1	RS-485

※ Combination of RS-232C and RS-485 unavailable.
(You may select either of them)

④ Chart Sensor

0	None
1	Required

③ DI/DO

0	None
1	1 Pen / 2 Pen Recorder : 3 Relay Outputs 6 Point Recorder : 6 Relay Outputs
2	3 DI
3	1 Pen / 2 Pen Recorder : 3 DI & 3 Relay Outputs 6 Point Recorder : 3 DI & 6 Relay Outputs

Specifications

TITLE		PEN RECORDER	MULTIPOINT RECORDER
Input	Number of Inputs	1 pen or 2 pen	6 point
	Measuring Cycle	125ms	10s/6ch, max
	Input Type	Direct voltage: $\pm 10\text{mV}$, $0\text{--}20\text{mV}$, $0\text{--}50\text{mV}$, $\pm 200\text{mV}$, $\pm 1\text{V}$, $\pm 10\text{V}$, $0\text{--}5\text{V}$	
		Direct current: $4\text{--}20\text{mA}$ ($250\ \Omega$ shunt resistance required to install externally)	
Thermocouple: K, T, J, E, B, S, R, C, N, PR40-20, PLII, L, Au-Fe, U R.T.D.: Pt100, JPt100			
Performance	Accuracy	$\pm 0.3\%$ ± 3 digit max. for Digital indicator/printing	
	Noise Reduction	NMRR (Normal mode): 60dB min. (50/60Hz $\pm 0.1\text{Hz}$) CMRR (Common mode): 140dB min. (50/60Hz $\pm 0.1\text{Hz}$)	
	Isolation Resistance	Each terminal/ground: 500V DC, 20M Ω min.	
	Voltage-proof	Power input terminal/ground: 1.5kV AC, 1 minute Input terminal/ground: 0.5kV AC, 1 minute	
	Vibration-proof	10~60Hz, 1m/s ² max.	
	Shock-proof	2m/s ² max.	
Alarm	Number of Relay Outputs	3 outputs (Form A contacts: Built-in option)	6 outputs (Form A contacts: Built-in option)
	Capacity	250V AC 3A max. loaded, 30V DC 3A max. loaded	
Communication	Interface	RS-232C (Standard), RS-485 (Option)	
Power Supply	Rated Power Voltage	100~240V AC (50/60Hz)	
	Power Consumption	30VA max. (100V AC)	25VA max. (100V AC)
Structure	Mounting/Housing	Panel mounting / Front panel: Dust-proof, Water-proof (IP-65)	
	Dimensions	144(W) \times 144(H) \times 150(D) mm	
	Gross Weight	2.0~2.5kg max.	1.5kg max.
Operation Condition	Allowable Conditions	Temperature: 0~50°C, Humidity: 20~80%RH	
Recording/Printing	Recording	Disposable felt pen	Wire dot 6 color ribbon
	Printing	Wire dot 1 color ribbon	
	95% Step Response Time	1.0s max.	
	Dot Print Cycle		
	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.
	Printing Color	Red, Green	Purple, Red, Green, Blue, Brown, Black

※Specifications are subject to change without notice.



Please install this device after careful reading of the instruction manual.



TOHO ELECTRONICS INC.

Head office: 1-13-21, Tanashioda, Sagamihara Kanagawa 229-1124 Japan.
 Phone: +81-42-777-3311 Fax: +81-42-777-3751
 E-Mail: info@toho-inc.co.jp
 Web site: http://www.toho-inc.co.jp