

MINI RECORDER

TRM10C

Lower Price, High Reliability & User-friendly !



FEATURES

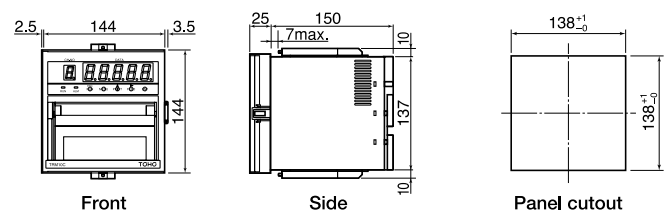
- Compact size
144 (W) × 144 (H) × 150 (D) mm
- 1.5 kg (6 point recorder) of lightest weight on an industrial level
- Universal input and range
- RS-232C communication function provided for in standard specifications
- Option (detailed on the reverse of Ordering Information) & consumables available
- 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 | | 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. |
| | Printing Color | Red, Green | Purple, Red, Green, Blue, Brown, Black |

※Specifications are subject to change without notice.



CAUTION

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