

Millisecond Counter Model MCS-5100

PC18-04-01EN

Three measuring functions of Interval, One-shot and Train are provided. So optimal measurement for operating time and/or recovery time of various types of protective relay, circuit breaker or electromagnetic contactor is realized.

Each of start aspect and stop aspect is floated configuration and also between the case is floated completely, so safe and steady measurement is realized.

Comply with requests from market, 10 times of long time measurement (comparing with former model MCS-5000 of ours) is realized.

New Model



■ Features

《Measurement of time》

- 3 functions of Interval, One-shot and Train are featured
- 3 modes of contact, DC Volt and AC Volt are featured
- Auto-detection for MAKE/BREAK and voltage impress/voltage removal
- Automatic selection for measuring range
- 5V to 250V of input voltage range available both for AC and DC
- Possible to select 3V/8V of threshold
- 5 digit zero suppression with excess indicator of "OVER"

《Frequency measurement》

- 20.00Hz to 500.00Hz measurement available
- 5 digit zero suppression with excess indicator of "OVER"

Dimensions : 160(W)×90(H)×210(D) mm Weight: 1.2kg approx.

■ Specification

Measurement mode and Function

Mode	Function	Description
TIME	INTERVAL	Measure the time difference of input signal between start and stop terminals
	ONE-SHOT	Time measurement of input signal's solo status to start terminal
	TRAIN	Integrating time measurement for repeated status of input signal to start terminal
FREQUENCY	-	Frequency measurement of input signal to start terminal

Input mode when time measurement

Mode	Description
CONTACT	Possible to measure both for MAKE TIME and BREAK TIME Voltage between contacts : 11DVDC / less than 0.45mA
DC VOLT	Possible to measure both for impress time and removal time Input voltage : 5 to 250V, Input impedance : 100kΩ
AC VOLT	

Input mode when frequency measurement

When frequency measurement mode is selected, the optimum input mode is automatically configured.
Input impedance:100kΩ

■ Time measurement

Measuring range : 0~9999.9s
0~999.9ms~9.9999s~99.999s~999.99s~9999.9s
(Automatic selection for decimal point and a unit)

Display : 5-digit LED (Zero suppression)

Resolution : 0.1ms

Accuracy : ±0.01% of rdg. ±1digit +Δt
(Δt: +0.1~2.5ms when AC VOLT mode)

■ Frequency measurement

Input Voltage : AC5 to 250V rms.

Measuring range : 20.00 to 500.00Hz

Display : 5-digit LED

Accuracy : ±0.1% of rdg. ±1digit

■ Common Specification

Operating temperature limit : 0 to 40°C

Data output : BCD output, Negative Logic (5digit)

Power supply : AC85V~264V, 47~63Hz

Accessories: External reset cord : 1pc
Shield cable for signal : 2pcs

■ Options

- RS-232C Output
- Carrying case : CRC-100
Possible to store main body and accessories.
Prevent a damage from shock and/or dust.



Specifications may be changed without preliminary notice.

Inside dimensions: 295 (W) ×234 (H) ×95 (D) mm



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