

# Digital indicator model TMD-100 for tension meter system

2023/06/02

## Features



- Tension meter
- Space-saving and miniaturized design.
- Normally equipped with the input, add/sub function two load cell.
- Four systems in one can be displayed.
- Equipped with four channels analog output as a standard.

(It is possible to increase it as an option.)

- Use as a tension meters, steel line, paper, and films.

## Specification

Specification name	Specification contents
Bridge power supply	10 VDC±0.3 VDC within 30 mA (Changeable to 2.5 VDC) with remote sensing function
Input range	F.S. setting is available at the input range from -0.2 mV/V to 3.1 mV/V (When bridge power supply is DC5 V)
Zero adjustment range	-1.9 mV/V ~ 1.9 mV/V
Non-linearity	0.01 %F.S.
Temperature coefficient	Zero point ±0.2 μV/°C, Sensitivity ±0.001 5 %F.S./°C (input conversion, F.S. setting at the input from 0.3 mV/V to 3.1 mV/V)
A/D sampling	100 times/s (Changeable to 4 times/s or 20 times/s)

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Load display	four systems of WS, DS, ADD and DIFF
Display range	-19 999 ~ 99 999
Condition display	HEALTHY, CHECK, DS DOWN, WS DOWN
Decimal point display	Changeable to No display, 10 <sup>1</sup> , 10 <sup>2</sup> , 10 <sup>3</sup> or 10 <sup>4</sup>
External control function	ZERO, LOCK, DS DOWN, WS DOWN, DS & WS DOWN
Analog output(4ch)	0 VDC ~ 10 VDC, 0 VDC ~ 5 VDC, 0 VDC ~ 1 VDC, ±10 VDC, ±5 VDC, ±1 VDC load resistance 5 kΩ or more, or 4 mADC ~ 20 mADC load resistance 510 Ω or less (changeable by the DIPswitch)
Operating temp./humidity range	Temperature -10 °C ~ 50 °C, Humidity 85 %RH or less (Non condensing)
Power supply	100 VAC ~ 240 VAC (85 VAC ~ 264 VAC) 50/60 Hz
Power consumption	Approx. 25 VA
Dimension (W x H x D)	200 mm x 150 mm x 200 mm (excludes protruding parts)
Weight	Approx. 4.4 kg (without options)

## Options

or less

## Latest News

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New Product

[New Product]Digital Indicator "CSD-701C" is released ! Great improvement on Temperature Characteristics and Non-linearity!

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