



TD-9000T
Color Graphics Digital Indicator

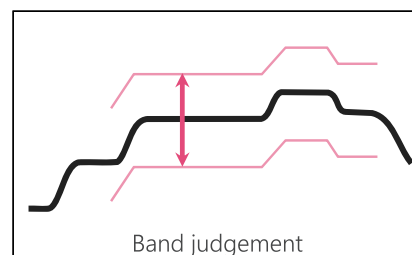
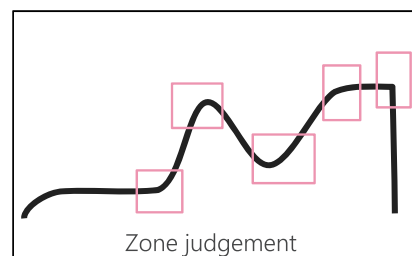
Equipped with a 4.3 inch large LCD screen on a compact body sticking to the DIN size

Highly functional model that supports two inputs of a load sensor and a displacement sensor, and has a fulfilling comparison/determination functions, as well as a large internal memory capacity enabling direct storage of waveform data.



FEATURES

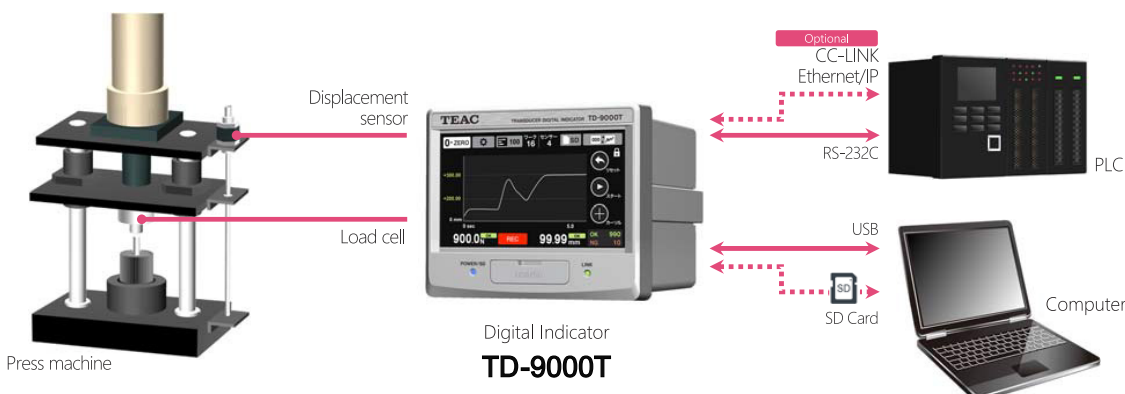
- Constant Judge function - Real-time display of waveform in hold mode
- Multiple hold function - Up to 5 judgment zones can be set
- Band judge function - Any band can be set and judged
- Compact size - 92mm x 92mm DIN size (same as conventional machines)
- Adoption of large - size monitor - 4.3 inch touch panel color graphic LCD
- Data recording - SD card recording (CSV format) or up to 100 waveform data can be stored in the main unit memory
- Convenient function - Equipped with load cell disconnection detection function
- TEDS standards supported - For the TEDS supported transducers, sensitivity calibration is automatic calibration
- Static strain function - Load cell overloading is obvious



What's more...

- Standard equipped with displacement input (voltage, pulse)
- Communication interface: CC-LINK (option), Ethernet/IP (option), RS-232C (standard)
- Standard equipped with D/A output (0 to 10V, 4 to 20mA)
- Display of statistics information
- Multi-language support: Japanese/English/Chinese/Korean
- Compliant with RoHS, CE, UL

SYSTEM CONFIGURATION





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Load sensor input		Sensor Input		Device settings	
Sensor input range	Strain gauge sensor -3.2mV/V ~ 3.2mV/V	Power supply	DC24V (± 10%)		
Zero adjustment range	-3.2mV/V ~ 3.2mV/V	Environment	Temperature	0°C~40°C (Operating)/-20°C~60°C (Storage)	
Bridge voltage	2.5V / 5V / 10V (30mA MAX.)		Humidity	85% RH or less (without condensation)	
Calibration method	Equivalent Input / TEDS / Actual Load	Dimensions/ Weight	114(W) x 96(H) x 140 (D) [mm] / About 960 [g]		
Accuracy	Linearity	Applicable standards	EMC	EN61326 (Class A)	
	Zero drift		Safety	CE, UL61010-1	
	Gain drift		Display	4.3 inch LCD color resistive touch panel	
Filter	Low pass	Display range	-32000 ~ 32000		
	Moving average	Language	Japanese/English/Chinese/Korea		
	Auto digital	Screen	Digital load value, Waveform, Archive data, Setting		
A/D conversion	Sampling rate	Waveform settings	X-axis	Time (200ms ~ 120sec) / Displacement	
	Resolution	Y-axis	Load (STD) / Load and displacement (biaxially)		
Linearize function	Five-point tracking	Comparison waveform	Band judgment	Offset reference band / Designated value band	
Displacement Sensor Input (pulse)	Maximum input freq. 2MHz		Zone judgment	Up to 5 judgment zones can be set by device/external signal	
			Comparison judgment	Load: HH / HI / OK / LO / LL Displacement: HI / OK / LO	
		Hold setting	Constant comparison/Sample/Peak/Bottom/PEAK to PEAK Maximum / minimum / inflection point / average		
Maximum count value	15,000,000	Measurement work settings	Number of works	16	
Calibration method	Equivalent Input / Actual Load		Switching	External input signal / manual	
Low pass filter	N/A		Memory	2,048	
Moving average filter	OFF / 2 ~ 2048 times	D/A converter	Output (Isolated)	Current (4-20mA) Load ≥ 350 ohms Voltage (0.1~10V) set in 1V steps, Load ≥ 2 k ohms	
Pulse type	A/B phases, A phase only (RS-422 only)		Conversion rate	Same as A/D converting rate (5 kHz or 20 kHz)	
Voltage output	5V (± 10%), 500mA Max.		Resolution	16-bit (binary)	
Displacement Sensor Input (voltage)	Input voltage range ± 5.2V	Communication	RS-232C	D-sub 9 pin (rear)	
			USB	Micro USB (front)	
			Control input/output signal (Photocoupler Insulation)	Input signal	Back light On/Off, Touch panel lock, reset, work select, clear, Judgement On/Off, Measurement Start/End, Preset displacement, Digital zero Dry contact input, Sync type (NPN)
Calibration method	Equivalent Input / Actual Load	Control input/output signal (Photocoupler Insulation)	Output signal	Alarm, Load cell abnormal, Trigger, waveform judgement (HI/OK/LO), Displacement judgement (HI/OK/LO), Load judgement (HH/HI/OK/LO/LL)	
Filter	Low pass			N/A	
Moving average	off / 2 ~ 2048 times			NPN open collector (Sync type)	
A/D conversion	Resolution	24-bit (binary)		Voltage output	
Voltage output	12V (± 10%), 250mA Max.				

EXTERNAL DRAWING / UNIT: (MM)

