

Measuring Instruments for RAIL WAY

TOD-400

Digital Tire Measuring Instrument

TOD-400

TOD-400 can measure the flange height and its thickness (or the distance from the centre of axis simultaneously) just by setting the instrument along the tire and pushing one button. Based on the theoretical side, it also can measure the tire thickness. Its LED display shows the result even in dark places.

Features

- High accuracy by optical encoder
- Easy-treatment weight and design
- Simple usage by buttons
- Bright monitoring via LED display
- Long life with built-in chargeable Battery
- Auto-power-off function
- Max. 128 data Memory
- Data transfer to PC
* required optional software

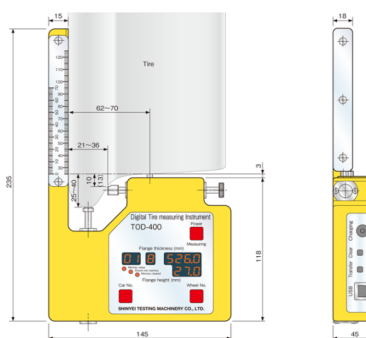


How to use

1. Put the guide along the inside of the tire.
2. Slide TOD-400 toward tire.
(to measure the flange height)
3. Push the horizontal attachment.
(to measure the flange thickness)
4. Adjust the position vertically against the tire,
5. Press [set] button once.



*To prevent power loss, it would be turned off automatically if no buttons have been pushed in 30 seconds.



Specification

Model	TOD-400	
Maximum measuring length (mm)	15	
Range of measurement (mm)	Flange height	25 ~ 40
	Distance from the axis center	[Type1] 516 ~ 531
	Distance from the axis center	[Type2] 701 ~ 716
	Flange thickness	[Type3] 21 ~ 36
Tyre thickness (mm)	Direct scale reading type 25 ~ 125 (0 ~ 100 is also available).	
Measuring point (mm)	65 from the tyre inside surface	
Measurement position (mm)	10 or 13 down from the tread of measuring point	
Measurement Sensor	Optical linear encoder (photo-sensor & slit board)	
Measuring resolution (mm)	0.1	
Display	7 segments, Red LED	
Display contents	Car number 01 ~ 16 / Wheel number 1 ~ 8	
	Distance from center of wheel axis (Minimum unit 0.1 mm) / Flange height (Minimum unit 0.1 mm)	
USB output	Data / Car number / Wheel number / Distance from center of wheel axis / Flange height	
Store data capacity	16 cars × 8 wheels = 128 data	
Battery duration	More than 6 hours	
Power source	Battery pack (4 Ni-MH rechargeable batteries) built-in	
Battery charger	Charge type for 4 hours. *Option	



SHINYEI TESTING MACHINERY CO., LTD.

Head Office B47-11, Katoridai, Tsukuba, Ibaraki, 300-2657, JAPAN

Tel: +81-29-848-3571 FAX: +81-29-848-3572

International Sales Office

Shinyei BLDG. 5F, 77-1 Kyomachi, Chuo-ku, Kobe 651-0178, JAPAN

Tel: +81-78-392-6903 FAX: +81-78-332-1619