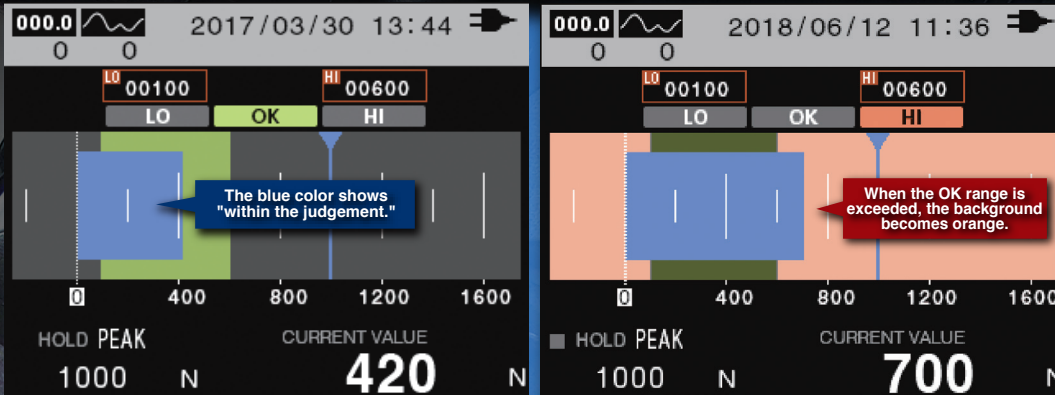


To measure the force exerted on the pedal during automobile brake performance tests.



The bar meter display realizes visibility equivalent to analog meter.

Load cell to measure automobile pedal force

TC-PF(T)

24-bit/1kHz A/D conversion
Portable Digital Indicator

TD-01 Portable

Check 1

Ultra-thin construction gives the natural feel of an automobile pedal during operation.

Check 2

No slipping even during aggressive pedal use due to our unique anti-slip sheet.



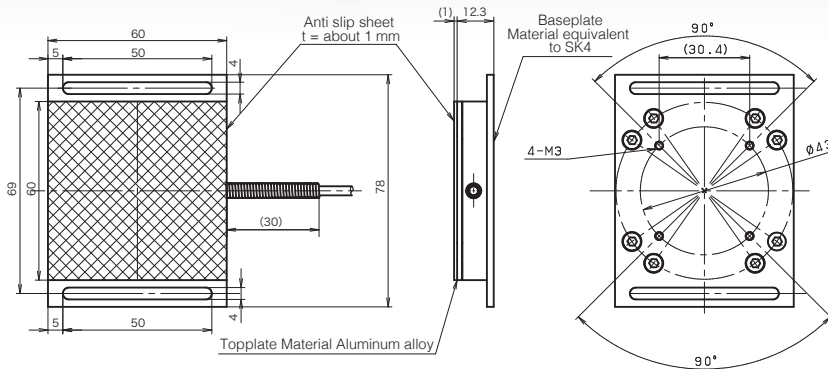
This can be fixed to the pedal through hook-and-loop fastener.

The TC-PF(T) series is a load cell which TD-01 used with for measuring pedal force in automobiles.

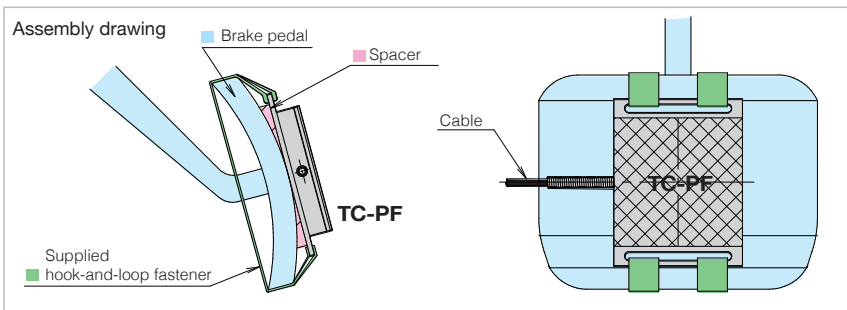
It's not only thin & lightweight, but also easy to install due to supporting various pedal shapes.

Furthermore by incorporating a robust cable, it enables the verification of hard/harsh braking and running on rough roads while maintaining the feel of authentic pedal operation.

When used in combination the TD-01, verification can be easily registered.



The parts without dimensions in the drawings are superseded by the actual object.



Note : When installing, prepare a jig so that the pedal coming into contact with the bottom of the load cell can become flat separately, and fix the jig using 4-M3. The tap depth of 4-M3 is 2mm. Please be sure not to exceed 2mm as it will cause malfunction. Two hook-and-loop fasteners to fasten are included. Please use them when fixing to the pedal. This product is non-waterproof. Please take that into account when using.

TC-PF(T) Specifications

Rated Capacity	500N, 1kN
Safe Overload Rating	150%R.C.
Rated Output (R.O.)	About 1 mV/V (2000×10 ⁻⁶ strain)
Linearity	±0.3%R.O.
Hysteresis	±0.3%R.O.
Repeatability	±0.2%R.O.
Zero Balance	± 10%R.O.
Safe Excitation Voltage	AC, DC, 8V
Input Terminal Resistance	350Ω ± 5 %
Output Terminal Resistance	350Ω ± 5 %
Insulation resistance	1000 MΩ 以上 (DC50V)
Compensated Temperature Range	0°C~50°C (Without condensation)
Safe Temperature Range	-10°C~+70°C (Without condensation)
Temperature Effect on Zero Signal	±0.5%R.O./10°C
Temperature Effect on Output	±0.5%R.O./10°C
Cable	φ3 6-core shielded cable 3m direct connection with NDI7P on the tip NDI7P:PRC03-12A-10-7M
TEDS support	Built-in PRC03-12A-10-7M

TD-01 Portable Specifications

Calibration precision	Within 0.1% F.S.	
Nonlinearity	Within 0.01% F.S. + 1 digit (when 5mV/V)	
A/D conversion	1000 times/second, 24-bit	
Digital filter	Moving average (select from OFF, 16, 32, 64, 128, 256, 512, 1024, 2048)	
Output voltage	BNC: ±2.0 V	
TEDS function	IEEE1451.4 class 2 mix mode interface	
Display	Display	2.4" color TFT LCD
	Display modes	Setting screens, indicator value digital display, graph display, recorded data list display, static strain display
	Languages	Japanese/English
Display range	-99999 to 99999	
Calibration methods	Zero calibration/span calibration (TEDS calibration, actual load calibration, equivalent input calibration)	
Hold functions	Sample hold, peak hold, bottom hold, zone definition hold (peak, bottom)	
Data recording	Indicator value : 300 maximum Graph recording : 8 maximum	
Power supply	4 alkaline or NIMH AA batteries USB bus power (built-in Micro-USB B connector)	
Applicable standards	CE marking, VCCI (Class A), FCC (Class A)	
External dimensions (W×H×D)	Approximately 85mm × 140mm × 35mm (without protrusions)	
Weight	About 320 g (including batteries)	

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<https://loadcell.jp/en/products/loadcell/tc-pf.html>

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