TD-01Portable Specifications

Menu language	Japanese / English
Input channel	1 (Load cell)
Bridge voltage	DC 2.5V, ±5% (Max. current 30mA)
Input signal range	±5mV/V
Display	2.4" color TFT LCD
Display range	-99999 to 99999
A/D conversion frequency	1,000 times/sec.
Digital filter	Moving average(select from OFF, 16, 32, 64, 128, 256, 512, 1024, 2048)
Analog voltage output	±2.0V
TEDS function	IEEE1451.4 class 2 mix mode interface
Hold function	Sample hold, peak hold, bottom hold,zone definition hold (peak, bottom)
Data recording	8 maximum
Graph recording	Indicator value max. 300
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), UKCA
Overall dimensions (W×H×D)	approx. 85 × 140 × 35mm
Weight	approx. 320g (Including batteries)

Load cell for load monitoring Specifications

Compression Load Cell
TC-FSRSP2(T)10N-G3

TEDS RoHS

- **Features** : Compact, Screw mount
- **Rated Capacity** (R.C.) : 10N, 20N, 100N

Compression Load Cell
TC-FSRSP(T)50N-G3

TEDS RoHS対応

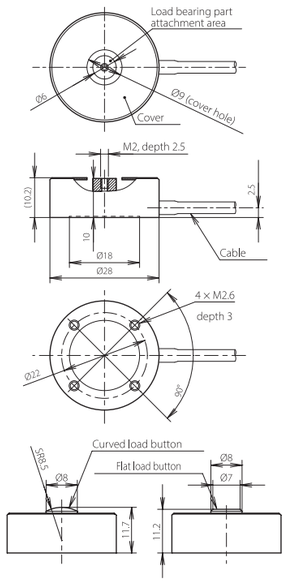
- **Features** : Compact, Screw mount
- **Rated Capacity** (R.C.) : 50N

TC-FSRSP2(T)10N-G3 / TC-FSRSP(T)50N-G3	
Safe Overload Rating	120%R.C.
Rated Output (R.O.)	1mV/V±50%
Linearity	1%R.O.
Compensated Temperature Range	5°C - 40°C
Cable	ϕ3mm 6-core robot cable 3m direct connection with bare lead wires
Accessory	Load button (Flat/Curved)

Dimensional drawings

W85 mm × H140 mm × D35 mm (without protrusions)

Dimensional drawings (TC-FSRSP2(T)10N-G3)



Dimensions in millimeters (mm)

TEAC CORPORATION

1-47 Ochiai, Tama-shi, Tokyo 206-8530, Japan
E-mail : mp-int@teac.jp
Web : https://loadcell.teac.com

TEAC America, Inc.
E-mail : datarecorder@teac.com

TEAC EUROPE GmbH.
E-mail : info@teac.eu

TEAC SALES & TRADING (ShenZhen) CO., LTD.
E-mail : teacservice3@teac.com.cn

Load cell site

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Precaution : To ensure safe handling and operation, read the Instruction Manual before use.
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TEAC

TEDS Support

Compression Load Cell + Portable Digital Indicator

Portable Load Monitoring Tool

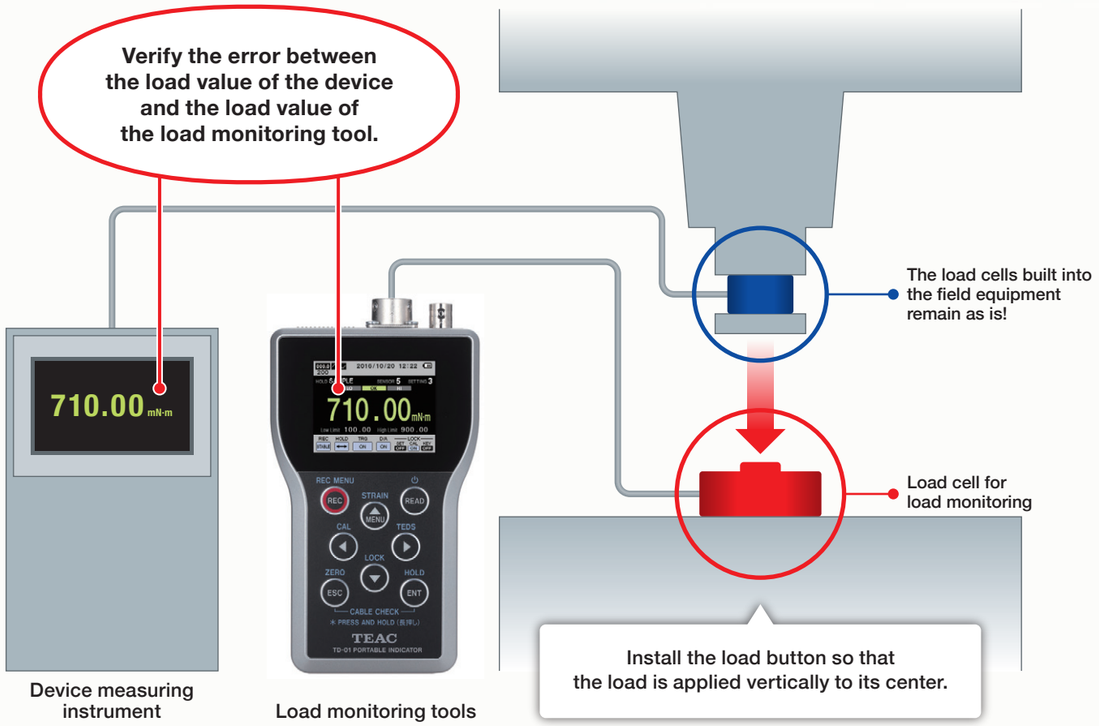
TEDS Support

Compression Load Cell + Portable Digital Indicator

Portable Load Monitoring Tool

Check load cell values installed on-site on the spot!

Load cells built into equipment may deteriorate over time due to being subjected to loads for long periods of time, and the load value and linearity may fall outside of specifications.
The TD-01 Portable can be used as a simple "Inspection Tool" to check the condition of load cells using numerical values and waveforms.

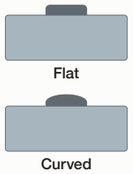


Load cell for load monitoring

Compression Load Cell
TC-FSRSP2(T)10N-G3

Compression Load Cell
TC-FSRSP(T)50N-G3

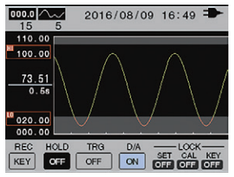
Switching between the load buttons (Flat and Curved) allows you to apply the ideal load to the object.

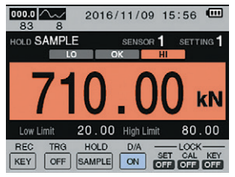


TD-01Portable Features

High-performance color graphic LCD screen

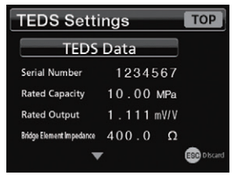
- Excellent visibility, capable of displaying numerical values, waveforms and bar meters.





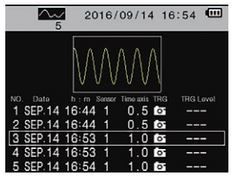
Plug and Play (PnP) Solution—TEDS Function

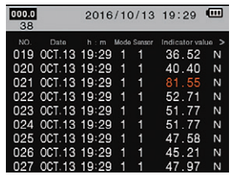
- Calibration can be automated simply by connecting, eliminating human error that is common with other calibrations.



Data recording function

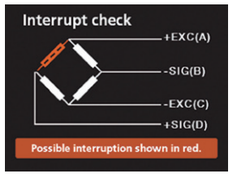
- Numerical values and waveform screens can be recorded, displayed, and compared.





Static Strain Display Function / Disconnection check function

- Displays the input signal as distortion
- Easy to check when a wire break occurs on-site



Dual Input

- Compatible plug (PRC03-12A10-7M10.5)
- Terminal bank

Other Features

Bilingual display (English and Japanese)
- Dual language Support (English and Japanese)

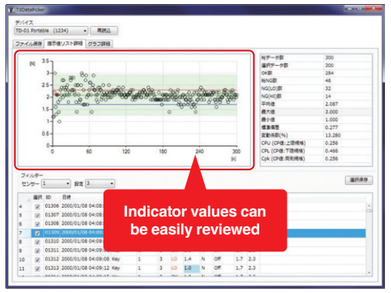
Multi-power supply system
- Can be powered by 4 AA batteries or USB bus power

D/A voltage output function
- Possible to output a maximum of 2V relative to the full scale.

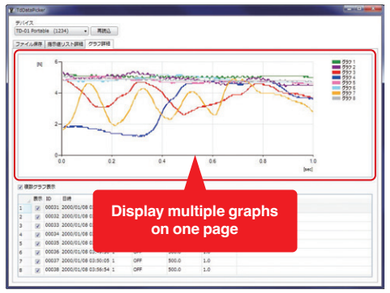
TdDataPicker

"TdDataPicker* " is the data management software and is included with each TD-01 Portable.
"TdDataPicker" allows you to store recorded data in CSV format and shows saved indicator values and graph data by a simple operation.
*If you would like to download the file, please contact the TD-01Portable website (https://loadcell.teac.com/inquiry/).

Indicator value list details screen



Graph list details screen



System requirements

Recommended PC spec : Processor equaling or surpassing an Intel Core 2 Duo Computer with 1Gb or more memory
OS supported : Windows 10 (both 32bit OS and 64bit OS) / Windows 11

Accessories (Optional)

Carrying case (Hard) CS-TD01

*TD-01 Portable placed in a hard case