



Digital Indicator **TD-700T**



*Supports remote sense functions.

Offers 5 different functions: displays static strain, dynamic strain, analog data value, digital data value and used as a signal conditioner.



Portable Digital Indicator **TD-01**



Graphical displays allow you to see numeric values or waveforms as you easily monitor and record your measurements.



Digital Indicator **TD-275T/TD-280T**



Supports a variety of hold functions, digital and waveform display and recording measured value, it's the high-end indicator with high-performance.
The TD series are used in fabrication, as well as quality control and advanced analysis.



Signal Conditioner **TC-11DC**



The optimal conditioner equipped with all the functions needed to detect the appropriate current or voltage to load cells for measurement and control.

TEAC CORPORATION

1-47 Ochiai, Tama-shi, Tokyo 206-8530, Japan +81-42-356-9154

TEAC AMERICA INC. <http://www.teac.com/>

1834 Gage Road, Montebello, California, 90640, U.S.A. +1-323-726-0303

TEAC EUROPE GmbH. <https://teac.eu/en/>

Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany +49-(0)611-7158-362

TEAC SALES & TRADING(Shenzhen) CO.,LTD.

Room 817,Block A, Hailun Complex, 6021 Shennan Blvd.,
Futian District,ShenZhen,China +86-755-8831-1561

Copyright© 2017 TEAC CORPORATION. All rights reserved.

Company names and product names in this document are the trademarks or registered trademarks of their respective owners.
Features and specifications are subject to change without notice.
Precaution : To ensure safe handling and operation, read the Instruction Manual before use.

TEAC Data Recorder Products Distributed by:

TEAC

Load Cell Digest Catalog
2017 - 2018

<http://loadcell.jp/en/>

TEAC's load cells provide solutions for force measurements.

■ Eliminates confusing configuration steps

TEAC load cells and indicators utilizing TEDS perform auto-calibration and eliminates manual settings and human errors.

■ Measures a variety of ranges accurately

A variety of compact, precision and reliable load cells are ready to use.

■ Ease of Use

The TEDS function of both load cell and indicator provides plug and play operation

■ Designed to prevent cable breaking

TEAC's load cell and cables are designed to be resistance to mechanical stress.

TEAC's load cells are used in a variety of industries

Semiconductor technology is essential for many consumer products, such as appliances. TEAC's highly accurate force measurement allows the handling of delicate micro parts.

- Measuring and monitoring the force of a wafer prober
- Managing polishing force on the wafer polishing machine
- Force management during bonding of the wire bonding machine
- To control the loading pressure of SMT placement equipment
- Checking variation in fluid weight of residual quantity detecting

Load cell indicator
and signal conditioner



Digital Indicator for load cells
TD-700T



Signal Conditioner
TC-11

- For semiconductor

Load cells suitable for semiconductor production process

| Model | Type | Rated Capacity[N] | | | | | | | | | | | | | | | | | | Rated Output [mV/V] | Non-Linearity [% R.O.] | Dimension (Diameter) [mm] | TEDS | Robot Cable |
|---------------|-------------------------|-------------------|---|---|---|----|----|----|-----|-----|-----|----|----|----|-----|-----|-----|------|------|----------------------------|----------------------------|---------------------------------|------|----------------|
| | | 0.5 | 1 | 2 | 5 | 10 | 20 | 50 | 100 | 200 | 500 | 1k | 2k | 5k | 10k | 20k | 50k | 100k | 200k | 1000k | | | | |
| TC-MFSR(T)-G | Compression | | | | | | ● | ● | | | | | | | | | | | | 1.0 | 0.5 | φ12 | ● | ● |
| TC-SR(T)-G | Compression | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 1.0 | 1 | φ12~φ20 | ● | ● |
| TC-SR | Compression | | | | | | | | | | | | | ● | ● | | | | | 1.0 | 1 | φ25 | | |
| TC-USR(T)-G | Compression | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | 0.5(~10N) 0.75(20N~) | 0.3(2N/5N) 0.1 | φ17~φ34 | ● | ● |
| TC-NSR(T)-G | Compression | | | | | | | | | | | ● | ● | | | | | | | 0.75 | 1 | φ20 | ● | ● |
| TC-NSRSP(T)-G | Compression | | | | | | | ● | ● | ● | ● | | | | | | | | | 1.3 | 0.2 | φ20 | ● | ● |
| TC-BSR(T)-G | Compression | | | | | | | | | | | | | | ● | ● | ● | | | 1.0(10kN) 1.5(20, 50kN) | 1.0(10, 50kN) 2.0(20kN) | φ21~φ22 | ● | ● |
| TU-QR(T)-G | Tension/ Compression | | | | | | | ● | ● | ● | ● | ● | ● | | | | | | | 0.5 | 0.5 | φ28 | ● | ● |
| TU-PGRS | Tension/ Compression | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | | 2.0 | 0.03 | φ58~φ118 | | |



TC-MFSR(T)-G



TC-SR(T)-G
TC-SR



TC-USR(T)-G



TC-NSR(T)-G



TC-NSRSP(T)-G



TC-BSR(T)-G



TU-QR(T)-G



TU-PGRS

Performing reliably and accurately in a variety of industries

TEAC's many years of experience and expertise in the measurement instruments industries allows us to provide a variety of reliable, robust and accurate load cells. Let us help you select the right load cell for your application, contact TEAC today.

Application of load cells in production process

- Control a critical force in process of press-fitting, press-forming and so on.
- Measuring or managing of the force on universal testing machine.
- Measuring frictional force of sliding parts at products inspection.
- Managing quantity or weight of tanks and hoppers.

Load cell indicators

Portable Digital Indicator
TD-01

Digital Indicator for load cells
TD-280T

Load cells suitable for various production process

| Model | Type | Rated Capacity[N] | | | | | | | | | | | | | | | | | | | Rated Output [mV/V] | Non-Linearity [% R.O.] | Dimension (Diameter) [mm] | TEDS | Robot Cable |
|------------|-------------------------|-------------------|----|-----|-----|-----|-----|----|----|----|----|-----|-----|-----|-----|------|------|------|------|-------|------------------------|----------------------------|---------------------------------|------|----------------|
| | | 20 | 50 | 100 | 200 | 300 | 500 | 1k | 2k | 3k | 5k | 10k | 20k | 30k | 50k | 100k | 200k | 300k | 500k | 1000k | | | | | |
| TC-KR(T)-G | Compression | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | | | 1.0 | 0.5 | φ40~φ100 | ● | ● |
| TU-PGRS | Tension/ Compression | | | ● | ● | | ● | ● | ● | ● | ● | ● | ● | | | | | | | | 2.0 | 0.03 | φ58~φ118 | | |
| TC-WAR-G | Compression | | | | | | ● | ● | ● | | ● | ● | ● | | ● | ● | ● | | | | 2.0 | 0.15(~20k) 0.1(50k~) | φ60~φ116 | | |
| TC-AR(T)-G | Compression | | | | | | | | | | | | ● | ● | ● | ● | ● | | | | 2.0 | 0.15(~30k) 0.1(50k~) | φ60~φ120 | ● | ● |
| TU-BR-G | Tension/ Compression | | | | ● | | ● | ● | ● | | ● | ● | ● | | | | | | | | 3.0 | 0.05 | W60~74 D60~90 | | |
| TC-XR(T)-G | Compression | | | | | | | | | | | | ● | | ● | ● | ● | ● | | | 1.0 | 0.5 | φ62~φ100 | ● | ● |
| TU-GR-G | Tension/ Compression | | | | | | | | | | ● | ● | ● | | ● | ● | ● | | ● | ● | 2.0 | 0.05(~200k) 0.15(500k~) | φ105~φ460 | | |



TC-KR(T)-G



TU-PGRS



TC-WAR-G



TC-AR(T)-G



TU-BR-G



TC-XR(T)-G



TU-GR-G