### TEAC

TC-KR(T)□□KN-G6 TC-XR(T)□□KN-G6

**Application** 

## Pressing & Injection

# Conventional or Low-profile Design

TC-KR
TC-XR

Compression Load Cell

Center Hole Flat type

Suitable for pressure measuerment when injection and swaging.

Low profile Design

Space saving, and easy installation to the existing press machine.

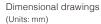
Durable Robot Cable standardized

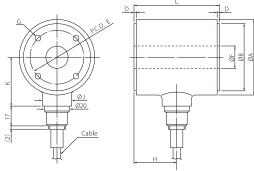
Enhanced durability against bending that occurs in moving parts with frequent repetitive motion, such as industrial robots and machine tools. High stability and reliability are realized. Plug & Play with built-in TEDS

With the TD series indicators, equivalent input calibration, likely to forget in manual setting, can be performed automatically and help prevetion.

#### Specifications

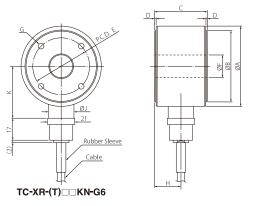
Туре	Compression Load Cell													
Model	TC-KR(T) CKN-G6  TEDS (Embeded in the body) RoHS (10 substances)								TC-XR(T)□□KN-G6  TEDS (Embeded in the body) RoHS (10 substances)					
														Rated Capacity (R.C.)
Natural Frequency	13.2kHz	8.2kHz	10.9kHz	8 kHz	13.5kHz	19kHz	10 kHz	4.6kHz	7.0kHz	11kHz	13kHz	11kHz	9kHz	
Weight	0.3kg	0.95kg	1.0kg	1.0kg	1.0kg	1.3kg	2.9kg	15kg	0.8kg	0.8kg	0.9kg	2.0kg	4.0 kg	
Safe overload rating	120 % R.C.								120 % R.C.					
Rated Output (R.O.)	1mV/V ±1%										1mV/V ±1%	)		
Linearity	0.5% R.O.								0.5% R.O.					
Hysterisis	0.5% R.O.							0.5% R.O.						
Repeatability	0.1% R.O.							0.1% R.O.						
Safe Excitation Voltage	18V							15V						
Input Terminal Resistance	350 700 ±3.5Ω ±7Ω							700 ±7Ω						
Output Terminal Resistance	350 ±3.5Ω								700 ±7Ω					
Insulation Resistance	2000MΩ or more (DC 50V)								2000MΩor more (DC 50V)					
Compensated Temperature Range	−10°C to 70°C								0°C to 60°C					
Permissible Temperature Range	−20°C to 100°C								−10°C to 80°C					
Temperature Effect on Zero Balance	0.1% R.O. / 10°C							0.5% R.O. / 10°C						
Temperature Effect on Output	0.1% R.C. / 10°C							0.5% R.C. / 10°C						
Cable	Φ6, 6-core shielded, 3m direct connection robot cable with bare lead wires							Φ6, 6-core shielded, 3m direct connection robot cable with bare lead wires						
Mounting Method	Screw Hole								Screw Hole					
Body Material			Nickel	-chrome-r	nolybdenun	n Steel			Nickel-chrome-molybdenum Steel					





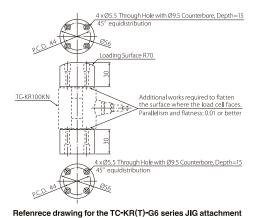
TC-KR-(T)□□KN-G6

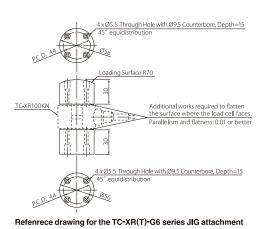
Rated Capacity		ØA	ØВ	С	D	ØE	ØF	G	Н	ØJ	K
5kN	510kgf	40	35	50	1	24	10	2x4xM4 Depth=8	25	26	29
10kN	1.02tf	62	55	70	2	44	18	2x4xM5 Depth=8	35	26	40
20kN	2.04tf	62	55	70	2	44	18	2x4xM5 Depth=8	35	26	40
30kN	3.06tf	62	55	70	2	44	18	2x4xM5 Depth=8	35	26	40
50kN	5.1tf	62	55	70	2	44	18	2x4xM5 Depth=8	35	26	40
100kN	10.2tf	62	55	80	2	44	18	2x4xM5 Depth=8	40	26	40
200kN	20.4tf	88	80	100	2	60	20	2x4xM8 Depth=12	50	26	53
300kN	30.6tf	100	90	120	2	70	20	24-M8 Depth=15	60	26	59



Rated Capacity		ØA	ØВ	С	D	ØE	ØF	G	Н	ØΙ	K
20kN	2.04tf	62	56	35	1	44	18	2x4xM5 Depth=7	17.5	20	40
50kN	5.1tf	62	56	35	1	44	18	2x4xM5 Depth=7	17.5	20	40
100kN	10.2tf	62	56	40	1	44	18	2x4xM5 Depth=7	20	20	40
200kN	20.4tf	86	78	50	2	60	20	2x4xM8 Depth=10	25	26	52
300kN	30.6tf	100	90	70	2	70	20	2x4xM8 Depth=12	35	26	59

The drawings for the JIG attachment dimensions and the geometric tolerance are available in the dimensional drawing section of the web site.





New

Attaches to

nmon DIN rails

Related Products (Indicators and Signal Conditioners)





**Excellent model with compact** 

Supporting five key functions in one unit,

static strain display, and signal conditioner.

This small and cost-effective TD-700T

LCD and various hold functions.

CNUS C CC-Link

numeric display, graph display, TEDS function,

achieves equal or even higher performance to

upper-class models, with high-visibility color

and high functionality

Panel opening size



D/A model RS-485 model

#### Slim and light-weight signal conditioner

Supporting high-speed sampling of 20,000 times/second, PC-based configuration via USB connection, selectable network, and TEDS calibration function.

c**Al**us C € ĽK

CC-Link\* EtherNet/IP\*

\* Under planning



Weighs only 320g (incl. batteries)

#### Portable Digital Indicator TD-01 Portable

#### On-site checking tool with versatility

Supporting various functions that equal to embeded systems, in hand-held size, allowing you to take measurements anytime anywhere, according to your purpose.

(€

#### **High performance model** with large LCD

TD-9000T

EtherNet/IP™ model

RS-485 model

CC-Link model

Supporting two inputs, force sensor and displacement sensor, various comparison judgments function, and direct saving of waveform data onto large capacity internal

c **™**us C € CC-Link

EtherNet/IP

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https://loadcell.jp/en/products/loadcell/tc-kr-g6.html (QR code on Left) https://loadcell.jp/en/products/loadcell/tc-xr-g6.html (QR code on Right)

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**TD-700T** 

Standard model

CC-Link model

RS-485 model

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