TEAC

TU-BR□□N/KN-G

1/2000 of High Precision

Tension/Compression Load Cell



Applications

For measurement of test equipement and conveyer tank scale

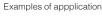
Type of Mounting

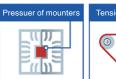
Fix with screws

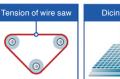
Advantages of the TEAC Load Cells

TEAC Load Cells

Since the 1980s, when TEAC started manufacturing and selling load cells, we have cultivated technologies to achieve higher precision and smaller size with our unique structures. With these technologies, a number of load cells that achieve high response, high accuracy, and high stability, as well as products that take environmental conservation into consideration have been developed to match customers' applications. We also offer customization for specific conditions (usage environment, space) that are difficult to meet with standard ones. From one-off prototypes to mass production, we support engineers involved in research and development on manufacturing technology.





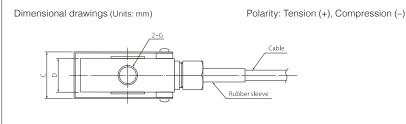


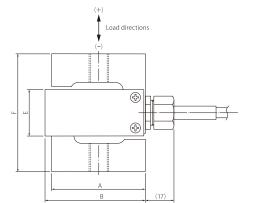




Specifications

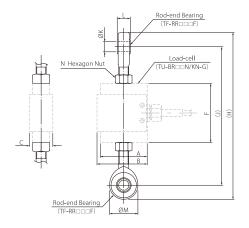
Туре	Tension/Compression Load Cell								
Model	TU-BR N/KN-G								
Rated Capacity (R.C.)	200N	500N	1kN	2kN	5kN	10kN	20kN		
Natural Frequency	0.6kHz	1.2kHz	1kHz	1.5kHz	2.7kHz	2.3kHz	2.2kHz		
Weight (Approx.)	0.3kg	0.3kg	0.3kg	0.45kg	0.5kg	0.5kg	1.6kg		
Safe overload rating	150% R.C.								
Rated Output (R.O.)	3mV/V ±1%								
Linearity	0.05% R.O.								
Hysterisis	0.05% R.O.								
Repeatability	0.03% R.O.								
Zero Balance	±10% R.O.								
Safe Excitation Voltage	20V								
Input Terminal Resistance	350Ω ±3.5Ω								
Output Terminal Resistance	350Ω ±5Ω								
Insulation Resistance	1000MΩ or more (DC 50V)								
Compensated Temperature Range	−10°C to 70°C								
Permissible Temperature Range	−30°C to 80°C								
Temperature Effect on Zero Balance	0.05% R.O./10°C								
Temperature Effect on Output	0.05% R.C. / 10°C								
Cable	Φ6mm, 4-core shield cable, 5m direct connection with bare lead wires								
Mounting Method	Screw holes								
Body Material	Aluminum Steel								





Model	Capacity	Α	В	С	D	Е	F	G	
TU-BR200N-G	200N	56	60	28	20	28	60	M6 x 1	Depth 12
TU-BR500N-G	500N	56	60	28	20	28	60	M6 x 1	Depth 12
TU-BR1KN-G	1kN	56	60	28	20	28	60	M6 x 1	Depth 12
TU-BR2KN-G	2kN	56	60	28	20	28	70	M12 x 1.75	Depth 16
TU-BR5KN-G	5kN	56	60	28	20	28	70	M12 x 1.75	Depth 16
TU-BR10KN-G	10kN	56	60	28	20	28	70	M12 x 1.75	Depth 16
TU-BR20KN-G	20kN	70	74	33	25	34	90	M16 x 2	Depth 20

Rod-end Bearing



Loadcell	Rod-end Bearing	Н	J	ØK	L	ØМ	N
TU-BR200N-G							
TU-BR500N-G	TF-RR006F	126	108	6H7	9	18	M6 x 1.0
TU-BR1KN-G							
TU-BR2KN-G							
TU-BR5KN-G	TF-RR012F	199	165	12H7	16	34	M12 x 1.75
TU-BR10KN-G							
TU-BR20KN-G	TF-RR016F	229	190	16H7	19	39	M16 x 2.0

DIN rails

Related Products (Indicators and Signal Conditioners)



Panel oper
Color Graphics Digital Indicator

High performance model

Supporting two inputs, force sensor

and displacement sensor, various

comparison judgments function,

data onto large capacity internal

and direct saving of waveform

TD-9000T

NPN type (Standard) PNP type
Standard model Standard mo

Standard model EtherNet/IP™ model CC-Link model

with large LCD

memory.

TEDS

Standard model EtherNet/IP™ model CC-Link model



Digital Indicator

TD-700T

Standard model CC-Link model RS-485 model

Excellent model with compact and high functionality

Supporting five key functions in one unit, numeric display, graph display, TEDS function, static strain display, and signal conditioner. This small and cost-effective TD-700T achieves equal or even higher performance to upper-class models, with high-visibility color LCD and various hold functions.



c¶us C € CC-Link



Signal Conditioner

TD-SC1

D/A model RS-485 model EtherNet/IP™ model CC-Link 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.



CTUS C CA



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.



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CC-Link EtherNet/IP

Rus C E CC-Link Ether Net/IP

Interrupt High/Low Judgements

D/A OUT RS-232C Bilingual

RoHS 4.3" LCD

Waveform Static Strain

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