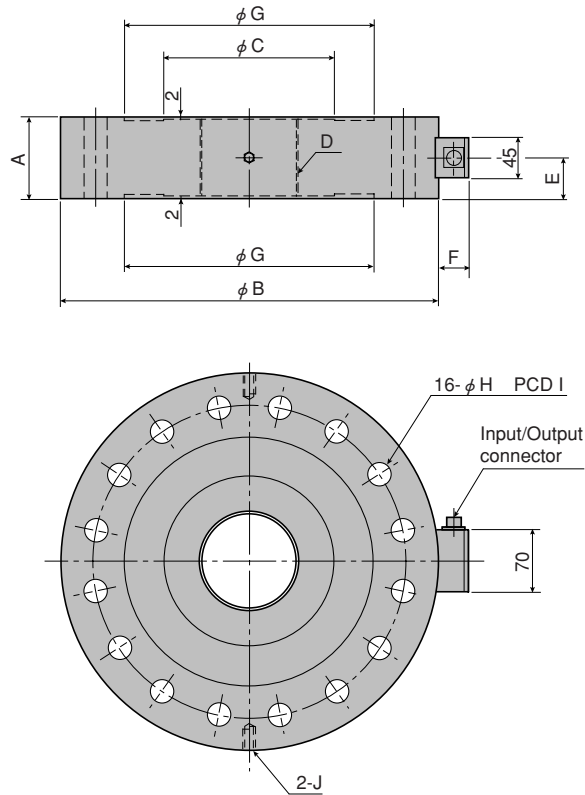


LOAD CELLS

TCLY-NA Tension/Compression Universal Load Cell 300kN~2MN



The TCLY-NA is a Tension/Compression Universal Load Cell with low-profile construction and high-capacity. It offers high precision, high output characteristics and an excellent stability because it uses a shear beam for the strain sensing element. This model is widely used in applications like one-axis loading test machine.

Protection ratings : IP40 equivalent

■ Dimensions

Type	A	B	C	D	E	F	G	H	I	J
TCLY-300kNA	70	295	120	M65X3	35	33	198	17	245	M12DP12
TCLY-500kNA	75	320	140	M85x3	37.5	33	220	22	270	M12DP22
TCLY-1MNA	90	420	190	M110x3	45	34	278	26	350	M12DP22
TCLY-1.5MNA	100	470	230	M140x4	50	34	318	32	395	M16DP27
TCLY-2MNA	110	500	250	M160x4	55	34.5	338	38	420	M20DP30

■ Specifications

Type	TCLY-300kNA	TCLY-500kNA	TCLY-1MNA	TCLY-1.5MNA	TCLY-2MNA
Capacity	300kN	500kN	1MN	1.5MN	2MN
Rated Output	2mV/V (4000 x 10 ⁻⁶ strain) ±0.5%				
Non-linearity	0.2%RO				
Hysteresis	0.2%RO			0.5%RO	
Temperature effect on zero	0.01%RO/°C				
Temperature effect on span	0.005%/°C				
Compensated temperature range	0 ~ +40°C				
Temperature range	-10 ~ +60°C				
Over load	150%				
Ultimate overload rating	300%				
Input/output resistance	700Ω±1%				
Recommended exciting voltage	Less than 10V				
Allowable exciting voltage	20V				
Zero balance	5%RO				
Weight	35 kg	40 kg	80 kg	100 kg	125 kg

Input/Output cable : CT9-4N10/NP-STB (φ 9mm 0.5mm² 4-core shielded chloroprene cable 10m)