

TCLP-NB-D
--TENSION/COMPRESSION UNIVERSAL LOAD CELL--

The TCLP-NB-D Load Cell is a TCLP-NB-type tension/compression universal load cell with two isolated I/O ports. One I/O cable can be connected to an analog measuring instrument and the other can be connected to a digital measuring instrument at the same time with no chance of interference between the two instruments.



-- Feature --

- Simultaneously connectable with two instruments
- Easy to handle
- Excellent stability

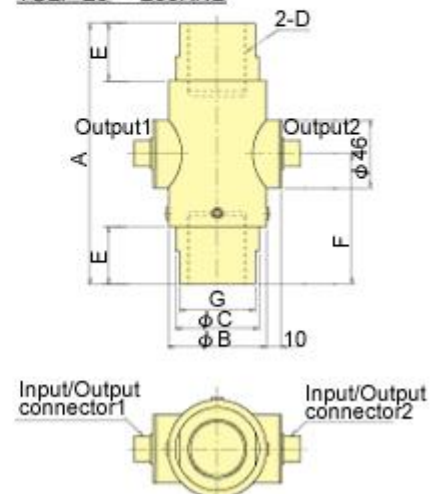
-- Specifications --

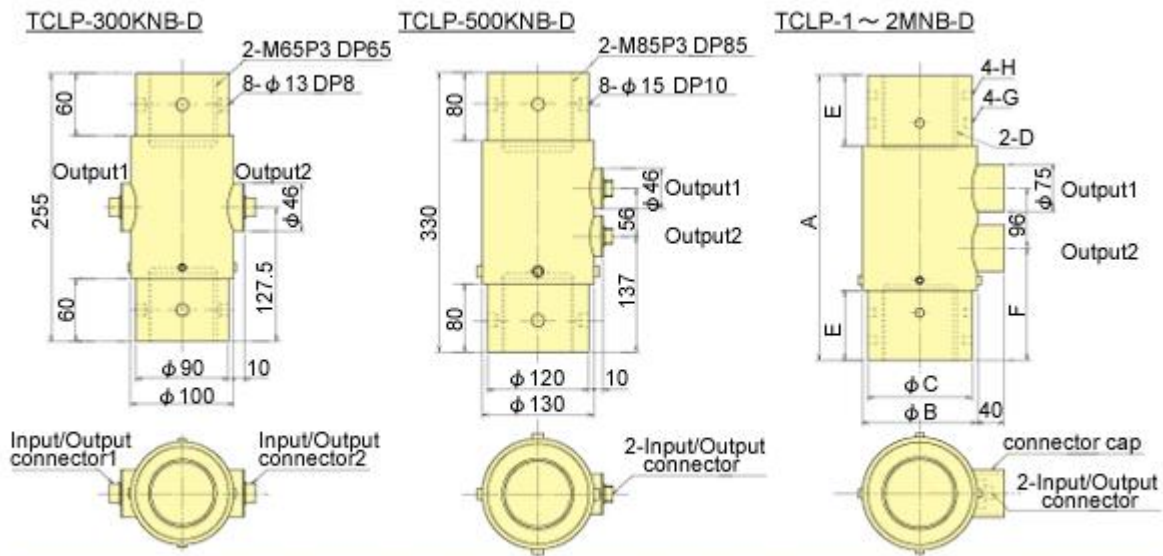
Type(TCLP-)	20KNB-D	30KNB-D	50KNB-D	100KNB-D	200KNB-D	300KNB-D	500KNB-D
Capacity	20kN	30kN	50kN	100kN	200kN	300kN	500kN
Rated Output*	1mV/V±0.5%						
Non-linearity	0.2%RO						
Hysteresis	0.1%RO						
Temperature Effect on Zero	0.01%RO/°C(0 to +40°C)						
Temperature Effect on Span	0.005%/°C(0 to +40°C)						
Temperature Range Allowable	-10 to +60°C						
Over Load	200%						
Resistance	350 ohm ±1%						
Exciting Voltage Recommended	Less than 10V						
Exciting Voltage Allowable	20V						
Initial Unbalance	5%RO						
Electrical Connection	JR-9310(∅9mm 0.5mm ² 4-core Shielded Chloroprene Cable 10m)						

*Rated Output: 1mV/V=2000x10⁻⁶strain

Type(TCLP-)	1MNB-D	1.5MNB-D	2MNB-D
Capacity	1MN	1.5MN	2MN
Rated Output*	1mV/V±0.5%		
Non-linearity	0.2%RO	0.5%RO	
Hysteresis	0.1%RO	0.5%RO	
Temperature Effect on Zero	0.01%RO/°C(0 to +40°C)		
Temperature Effect on Span	0.005%/°C(0 to +40°C)		
Temperature Range Allowable	-10 to +60°C		
Over Load	200%		
Resistance	350 ohm ±1%		
Exciting Voltage Recommended	Less than 10V		
Exciting Voltage Allowable	20V		
Initial Unbalance	5%RO		
Electrical Connection	JR-9310		

TCLP-20 ~ 200KNB





Type	A	B	C	D	E	F	G	H	Weight
TCLP-20KNB-D	110	60	50	M18x1.5 DP20	20	58	46	-	2kg
TCLP-30KNB-D	125	60	50	M24x2 DP30	20	63	46	-	2kg
TCLP-50KNB-D	125	60	50	M24x2 DP30	20	63	46	-	2kg
TCLP-100KNB-D	175	65	55	M39x2 DP45	37.5	87.5	50	-	2.5kg
TCLP-200KNB-D	255	80	70	M50x2 DP65	65	127.5	65	-	6kg
TCLP-300KNB-D	As per the figure								8kg
TCLP-500KNB-D	As per the figure								15kg
TCLP-1MNB-D	440	175	160	M110x3 DP110	108	172	∅15 DP10	M12 DP12	50kg
TCLP-1.5MNB-D	530	215	200	M140x4 DP140	155	217	∅20 DP10	M16 DP20	85kg
TCLP-2MNB-D	605	245	230	M160x4 DP160	194	254.5	∅20 DP10	M20 DP25	110kg

Unit:mm

-- Fitting accessory --

Type	Spherical Cap FA	Rotary attachment FD	Rod End FE	Eye Bolt FF	Load Button FG	Shackle FH
TCLP-20KNB-D	FA-80	FD-2	FE-2A	FF-2	FG-2	FH-2B
TCLP-30,50KNB-D	FA-100	FD-5	FE-5A	FF-5	FG-5	FH-5B
TCLP-100KNB-D	FA-140	FD-10	FE-10A	FF-10	FG-10	FH-10B
TCLP-200KNB-D	FA-140	FD-20	FE-20A	FF-20B	FG-20	FH-20B