

Model DSCK Series

Compression & tension
low profile load cell (1t ~ 20t)



The model DSCK is a low profile tension and compression shear type load cell suited to precision applications where headroom and side loads are a problem. All units are machined from a solid billet of tool steel and sealed with welded diaphragms.

- Hermetically sealed
- High rated output(3mV/V)
- Insensitive to side load

SPECIFICATIONS

MODEL	DSCK
Rated capacity (R.C.)	1, 2, 3, 5, 10, 20t
Rated output(R.O.)	3mV/V $\pm$ 0.3%
Non-linearity	$\leq 0.05\%$ R.O.
Hysteresis	$\leq 0.05\%$ R.O.
Non-repeatability	$\leq 0.02\%$ R.O.
Creep error	$\leq 0.03\%$ in 20min.
Zero balance	$\leq 1\%$ R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	$\leq 0.03\%$ LOAD/10°C
Temp. effect on zero balance	$\leq 0.03\%$ R.O./10°C
Terminal input resistance	700 Ohms $\pm$ 10 Ohms
Terminal output resistance	700 Ohms $\pm$ 10 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation voltage	10V(Recommended), 15V(Max.)
Electrical connection	$\varnothing 9\text{mm} \times 5\text{m}$ (22AWG x 4Core Shielded)
Protection class	meets IP 67
Safe overload	150% R.C
Ultimate overload	300% R.C

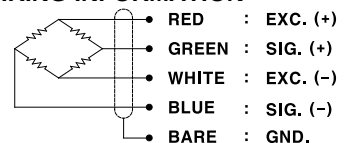
ORDERING INFORMATION

DSCK - 10T

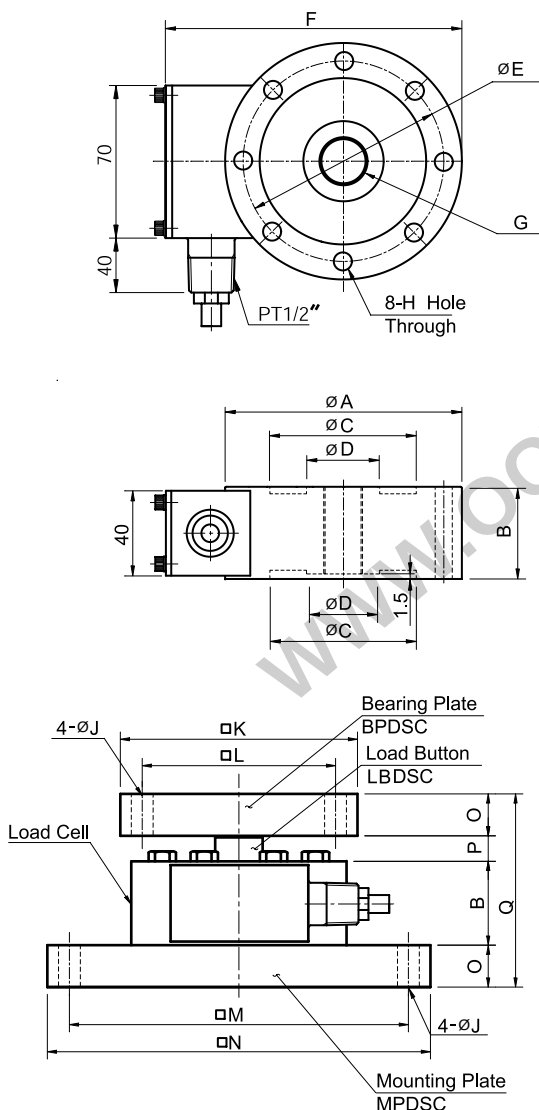
MODEL
DSCK

CAPACITY
1, 2, 3, 5, 10, 20 ton

WIRING INFORMATION



	1 ~5t	10t	20t
Load Button	LBDSC1	LBDSC2	LBDSC3
Mounting Plate	MPDSC1	MPDSC2	MPDSC3
Bearing Plate	BPDSC1	BPDSC2	BPDSC3
Tension Plate	TPDSC1	TPDSC2	TPDSC3
Rod End Ball Joint	SRDSC1	SRDSC2	SRDSC3



Dimension-mm

Rated Capacity	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	Weight (kg)
1~5t (9.81kN ~49.03kN)	118	46	86	34	100	153	M24x2P	9	12	130	106	185 x105	210 x130	23	14	106	32	55	248	28	22	4
10t (98.07 kN)	138	60	98	50	116	180	M39x2P	11	14	160	126	125 x125	160 x160	30	20	140	45	100	405	43	40	6
20t (196.1 kN)	186	70	133	73	154	228	M50x2P	14	14	200	150	160 x160	200 x200	30	40	170	55	120	485	53	50	12

* Specifications are subject to change without notice

DEC ,2005