

Model DSCK Series

Compression & Tension
Low Profile Loadcell 1 t - 20 t

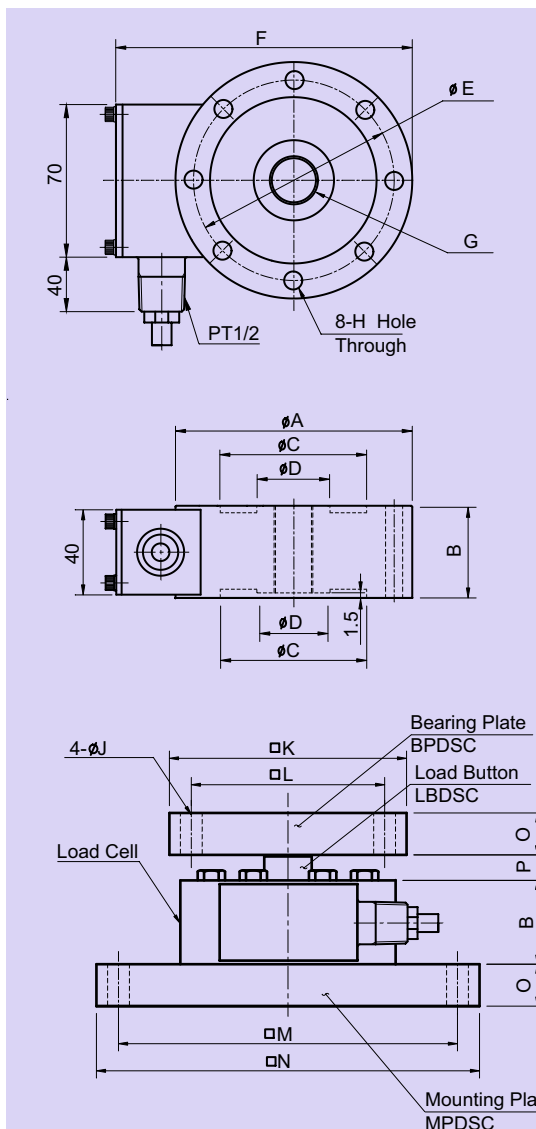


The model DSCK is an ultra low profile tension and compression shear type loadcell suited for precision applications where headroom and side loads are a problem. All units are machined from a solid billet of tool steel and sealed with welded diaphragm.

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

SPECIFICATIONS

MODEL	DSCK
Rated capacity (R.C.)	1, 2, 3, 5, 10, 20 t
Rated output (R.O.)	3 mV/V \pm 0.3%
Non-linearity	< 0.05% R.O.
Hysteresis	< 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 ~ 40 °C
Operating temperature range	-20 ~ 70 °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 50 V DC
Excitation voltage	10 V(Recommended), 15 V(Maximum)
Electrical connection	\varnothing 9 mmx3 m(22AWG x 4Core Shielded)
Protection class	meets IP 67
Safe overload	150% R.C
Ultimate overload	300% R.C



Dimension-mm

ORDERING INFORMATION

DSCK - 5T

MODEL CAPACITY
1,2,3,5,10,20t

WIRING INFORMATION

RED : EXC. (+) WHITE : EXC. (-)
GREEN : SIG. (+) BLUE : SIG. (-)
BARE : GND

	1P~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

RatedPCapacity	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	185Px105	210Px130	23	14	106	32	55	248	28	22	4
10t (98.07 kN)	138	60	98	50	116	180	M39x2P	11	14	160	126	125Px125	160Px160	30	20	140	45	100	405	43	40	6
20t (196.1 kN)	186	70	133	73	154	228	M50x2P	14	14	200	150	160Px160	200Px200	30	40	170	55	120	485	53	50	12

* Specifications are subject to change without notice