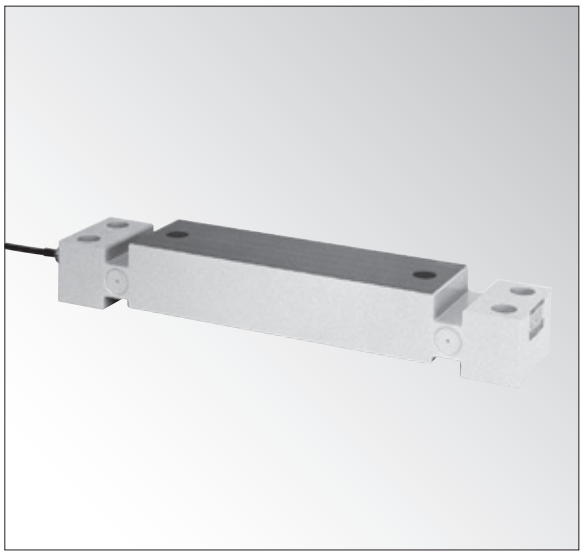
LCD-A-S1 to S9

Rectangular Load Cell

●30 to 100 kN



For Measurement of Loads to Pillow Block

●Hermetically-sealed structure

Having a flat top and bottom, LCD-A-S series rectangular compression load cells enable stable installation of a flat board. They are used for weighing systems of waste and ash cranes or for measurement of compression loads of pillow blocks placed on them.

Specifications

Performance

Rated Capacity	See table below.
Nonlinearity	Within ±1% RO
Hysteresis	Within ±1% RO
Rated Output	Approx. 1 mV/V

Environmental Characteristics

Safe Temperature	-20 to 80°C
Compensated Temperature	-10 to 70°C
Temperature Effect on Zero	Within ±0.01% RO/°C
Temperature Effect on Output	Within ±0.01%/°C

Electrical Characteristics

Safe Excitation	15 V AC or DC
Recommended Excitation	1 to 10 V AC or DC
Input Resistance	350 Ω±5%
Output Resistance	350 Ω±5%
Cable	4-conductor (0.75 mm²) fluonlex shielded cable, approx. 8 mm diameter by 10 m long, bared at the tip (Shield wire is not connected to the case.)

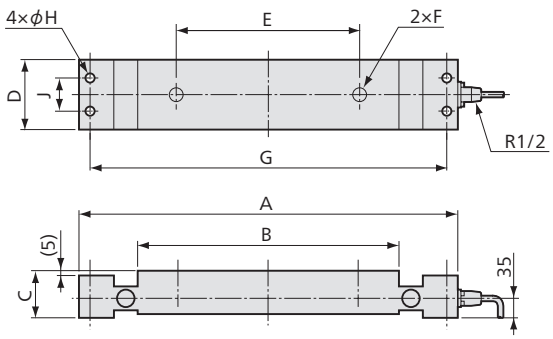
Mechanical Properties

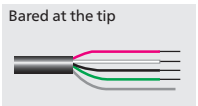
Safe Overloads	150%
Weight	See table below (Excluding cable).
Degree of Protection	IP64 (IEC 60529)

To Ensure Safe Usage

Take care that there is no foreign matter on the top and bottom of the load cell and the surface of mounting board.

Dimensions





Models	Rated Capacity	A	B	C	D	E	F	G	H	J	Weight
LCD-A-30KNS1	30 kN	520	340	70	95	280	M22 d=30	484	14	50	≈ 22 kg
LCD-A-30KNS2		580	400	70	105	280	M22 d=30	544	14	50	≈ 28 kg
LCD-A-30KNS3		580	400	70	105	330	M27 d=35	544	14	50	≈ 28 kg
LCD-A-50KNS4	50 kN	610	430	80	105	280	M22 d=30	574	14	50	≈ 35 kg
LCD-A-50KNS5		580	400	80	105	330	M27 d=35	540	26	60	≈ 33 kg
LCD-A-50KNS6		610	430	80	105	360	M27 d=35	550	26	60	≈ 35 kg
LCD-A-50KNS7		690	510	80	105	410	M30 d=35	626	26	50	≈ 40 kg
LCD-A-100KNS8	100 kN	690	510	80	105	410	M30 d=35	626	26	50	≈ 40 kg
LCD-A-100KNS9		690	510	80	105	430	M30 d=35	626	26	50	≈ 40 kg

●Physical quantity indication ●Static measurement ●Dynamic measurement

LCD-A-S1 to S9 Recommended products for combination


Instrumentation Amplifier WGA-900A → 3-95


Instrumentation Amplifier WGA-680A → 3-97


Data Logger UCAM-60B → 3-25


Strain Amplifier DPM-900 Series → 3-5


Universal Recorder EDX-200A → 3-55


Universal Recorder EDX-100A → 3-63