LPD Low Profile Disk, High Capacity Load Cell Load Sensing Made Easy

These load cells are constructed with high grade alloy steel and come complete with 20 foot load cell cable. The LPD are available in capacities ranging from 5,000 lbs. up to 100,000 lbs. and are designed for low profile scales/applications.

Highlights

Load Cell Technology

- Simplifies load measurements
- Meets OIML & **HB44 Class III Standards**

Rugged & Reliable

- · High Grade Alloy Steel
- · Mechanically robust design

Easy Attachment

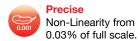
 Convenient mounting on bottom of sensor

Multiple Load Cell Capacities

- LPD 5,000 lb.
- LPD 10,000 lb.
- LPD 25,000 lb.
- LPD 50,000 lb.
- LPD 100,000 lb.

Load Sensing Made Easy!









Threaded mounting holes for easy attachment using standard fixtures.



Analog to Digital USB Output







LoadVUE. LoadVUE Lite

Simply connect the load cell to the DI-1000 Digital Load Cell Interface & use the USB out port on the DI-1000 to connect to a PC via the USB port. The load cell appears on the PC as a virtual COM port. Using a standard terminal emulator send commands to the sensor to display loads on screen. They can either be one at a time or in continuous operation mode. Alternatively, use an application (LoadVUE or LoadVUE Lite) to simplify load measurements on a PC.



Display & Controller



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LPD Low Profile Disk High Capacity Load Cell

Dimensions (inches)

Capacity (Lb.)	A	В	C	D	E	F	G	Н	1	J
5K	0.283	0.406	0.3	3.5	1.30	0.625	1.75	1.25	0.75	4.12
25K, 50K	0.343	0.508	0.4	4.0	1.60	0.875	2.12	1.87	0.94	4.75
100K	0.406	0.626	0.4	4.6	2.00	0.875	2.25	2.00	1.14	5.50

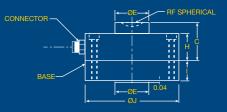














Load Cell Specifications

-oud con opcom	outions						
Accuracy	Non-linearity	Hysteresis	Non-repeatability				
All capacities	±0.03 %	±0.02 %	±0.05 %				
Zero Balance	±2 %						
Mechanical							
Safe Overload	to 150% of capacit	to 150% of capacity (300% Ultimate Overload)					
Electrical							
Rated Excitation	10V DC (20V Maxii	mum)					
Full Scale Output	4 mv/V ±0.25%	4 mv/V ±0.25%					
Connections	20 Feet	20 Feet					
Input Impedance	385 ± 30 Ohm	385 ± 30 Ohm					
Output Impedance	350 ± 4 Ohm	350 ± 4 Ohm					
Insulation	> 5.000M Ohm	> 5.000M Ohm					

Environmental					
±0.020 % of load					
-40°C to 80°C					
20 ppm/°C of Load					
20 ppm/°C of Full Scale					

Optional DI-1000 Digital Load Cell Interface

Works with existing load cells and provides USB connectivity to a PC! Just plug in the SPS load cell into one connector of the DI-1000 and plug the other USB connector to a PC and you get a PC ready load cell.



- Output Virtual Com
- Output Format ASCII Text
- Data Rate 10 samples/sec

Optional LoadVUE software

LoadVUE is Loadstar Sensors' software application that enables a user to read data from one to four load cells. The program permits you to display individual loads plus the sum of all loads, log data on screen & to a file as well as plot/chart the data for further analysis.

Ordering Information

- 5,000 lb. Part # LPD-05KS
- 10,000 lb. Part # LPD-10KS
- 25,000 lb. Part # LPD-25KS
- 50,000 lb. Part # LPD-50KS
- 100,000 lb. Part # LPD-100KS

Wiring Information

Cable Color Code

Red......+ Excitation
Black.....- Excitation
Green....+ Signal
White....- Signal

Loadstar Sensors, Inc.

48089 Fremont Blvd. Fremont, CA 94538 Phone: 510.623.9600 Fax: 510.623.9602

URL: www.loadstarsensors.com Email: info@loadstarsensors.com

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