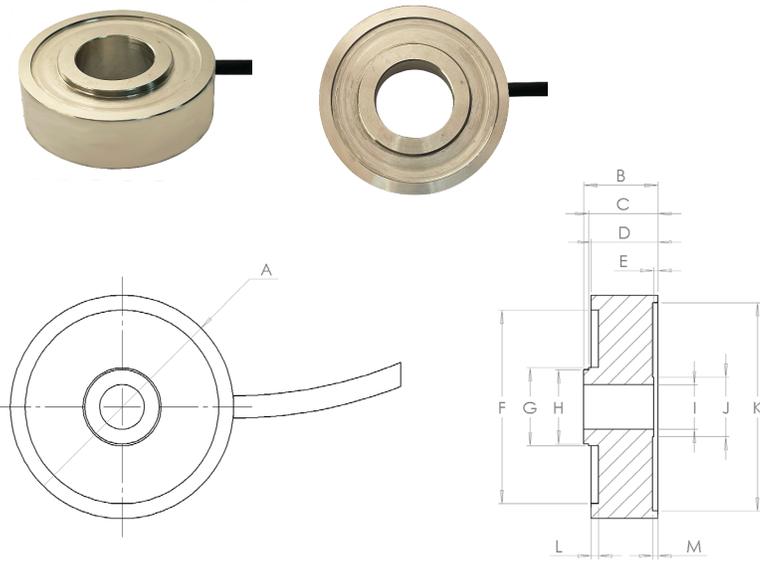


RTH1 Low Profile Through-Hole Load Cell



Capacity	250 kg	500 kg	1 T	2.5 T	5 T
A	30	30	30	50	50
B	10	10	10	14	16
C	9.3	9.3	9.3	13	15
D	9	9	9	13	15
E	0.55	0.55	0.55	0.8	0.5
F	26	26	26	45	42
G	10.5	10.5	10.5	25	28
H	10	10	10	25	28
I	6	6	6	10.5	20
J	8	8	8	22	26
K	28	28	28	46	44
L	1	1	1	1	1
M	0.73	0.73	0.73	1.8	2

(All dimensions in mm)

Accuracy Specifications

Accuracy	
Non-linearity	± 1% of Full Scale
Hysteresis	± 1% of Full Scale
Non-repeatability	± 1% of Full Scale (Overall inaccuracy +/- 2.5% of FS)

Load Cell Specifications

Zero Balance	2% of Full Scale
Rated Output	2 to 3 mV/V Nominal
Safe Overload	150% of Full Scale
Ultimate Overload	200% of Full Scale
Connections	φ 5 x 2000 mm (6.5ft.)
Input Impedance	700 ± 30 Ω
Output Impedance	700 ± 5 Ω
Insulation	≥ 5000 M Ω / 50 V DC
Rated Excitation	5 ~ 10 VDC
Operating Temperature Range	-20 to 60 °C with TARE
Compensated Temperature Range	-10 to 40 °C with TARE
Temperature Effect on Zero	0.1% of FS / 10 °C
Temperature Effect on Span	0.1% of FS / 10 °C

Recommended Interfaces



USB Interface

1 Channel:
 DI-100U (40 Hz)
 DI-100UHS (250 Hz)
 DI-1000U (60 Hz)
 DI-1000UHS (500 Hz)
 DI-10000UHS-1K (1 KHz)
 DI-10000UHS-10K (50 KHz)

4 Channel: DI-400U (40 Hz)
 DI-400UHS (250 Hz)

Wireless Interface

DI-1000ZP
 DI-1000WiFi
 DI-1000BLE

Analog Interface

AI-1000 (0-5 VDC)
 AI-1000CV (0-5 VDC, 4-20 mA)

Touchscreen Display

DS-3000Pro-1 (1 Channel)
 DS-3000Pro-4 (4 Channel)

Wiring Information

Cable Color Code

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

Ordering Information

Capacity	Part No.
250 Kg	RTH1-250M-S
500 Kg	RTH1-500M-S
1000 Kg	RTH1-01KM-S
2500 Kg	RTH1-2HKM-S
5000 Kg	RTH1-05KM-S

Calibration Options

*Co1	Compression
*Co2	Tension
*Co3	Universal

RSB6 Load Cell

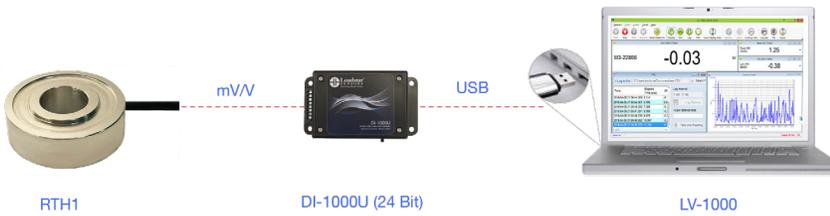


Checkout our RSB6 load cell for an alternative load cell with a through hole.

Wireless Load Cell Configuration



USB Load Cell Configuration



Analog Load Cell Configuration



Load Cell with LED Display

