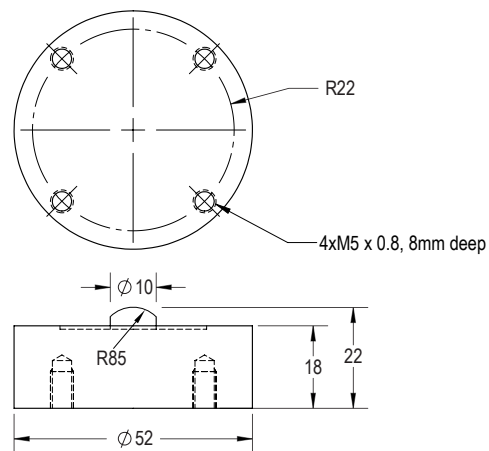


RSB2 Button Load Cell



(All dimensions in mm)

Wiring Information

Cable Color Code	
Red	+ Excitation
Black	- Excitation
Green	+ Signal
White	- Signal

Ordering Information

Multiple Load Cell Capacities	
RSB2	Part No.
25 kilogram	RSB2-25M-S
50 kilogram	RSB2-50M-S
100 kilogram	RSB2-100M-S
250 kilogram	RSB2-250M-S
500 kilogram	RSB2-500M-S
1000 kilogram	RSB2-01KM-S

Calibration Options

*C01	Compression
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Accuracy Specifications

Accuracy		
Non-linearity		$\pm 0.05\%$ of Full Scale
Hysteresis		$\pm 0.05\%$ of Full Scale
Non-repeatability		$\pm 0.05\%$ of Full Scale
Overall Accuracy % of Full Scale		$\pm 0.15\%$ of Full Scale

Load Cell Specifications

Zero Balance	$\pm 2\%$
Safe Overload	to 150% of capacity (300% Ultimate Overload)
Rated Excitation	5 - 10 VDC
Full Scale Output	2 mV/V
Connections	9ft Cable
Input Impedance	$750 \pm 30 \Omega$
Output Impedance	$700 \pm 5 \Omega$
Insulation	$> 2,000 M\Omega$
Creep, in 30 min	$\pm 0.05\%$ of Load
Operating Temperature Range	-20°C to 60°C with TARE
Compensated Temperature Range	-10°C to 40°C with TARE
Temperature Effect on Output	0.02% of Full Scale/10°C
Temperature Effect on Zero	0.05% of Full Scale/10°C
Seal Type	IP66

RSB3 Load Cell (Threaded Studs)



For applying tensile loads or to use in tension and compression mode, use the RSB3 load cell which has a similar geometry and dimensions. These are available in 50 kg, 100 kg, 200 kg and 500 kg capacities.

Compatible Accessories

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-1000UHS-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)



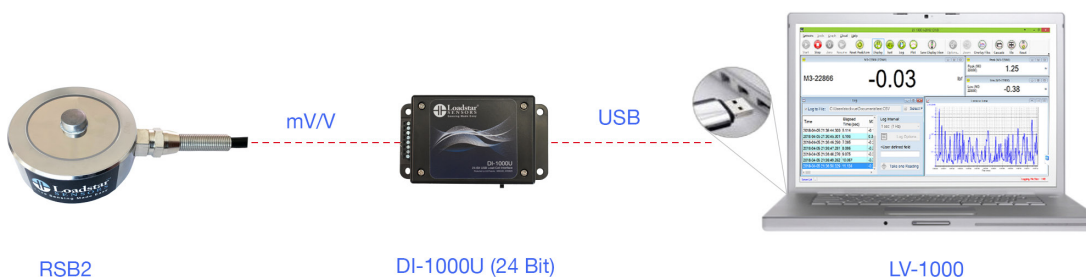
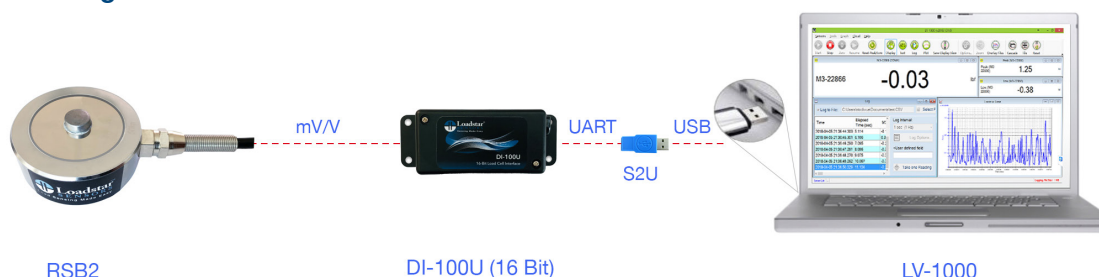
Touchscreen Display

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

Wireless Load Cell Configuration



USB Load Cell Configuration



Analog Load Cell Configuration



Load Cell with LED Display

