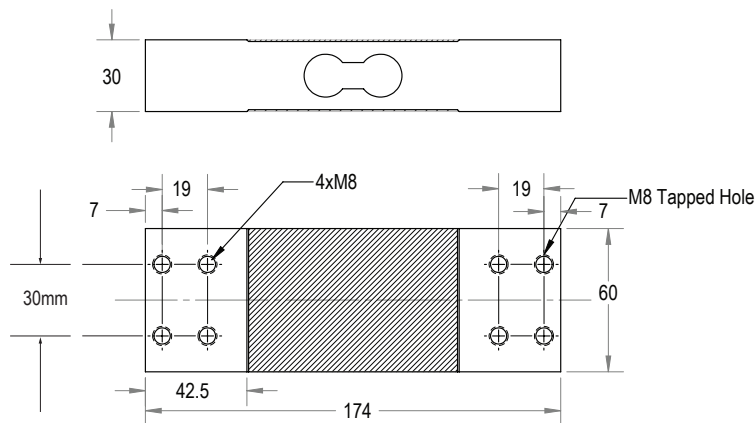


RAP4 Single Point Load Cell



(All dimensions are in mm)

Accuracy Specifications

Accuracy	
Non-linearity	± 0.02% of Full Scale
Hysteresis	± 0.02% of Full Scale
Non-repeatability	± 0.02% of Full Scale

Load Cell Specifications

Typical Values	
Zero Balance	2% of Full Scale
Safe Overload	150% of Full Scale
Ultimate Overload	250% of Full Scale
Full Scale Output	2 ± 10 % mV/V
Input Impedance	410 ± 15 Ω
Output Impedance	350 ± 3 Ω
Insulation	≥ 2000 MΩ / 50 V DC
Recommended Excitation Voltage	10V DC
Compensated Temperature Range	14 to 100 °F (-10 to 40 °C)
Temperature Effect on Zero	0.025% F.S. /10 °C
Temperature Effect on Span	0.025% F.S. /10 °C

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-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)

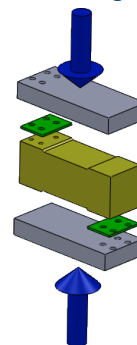
Wiring Information

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

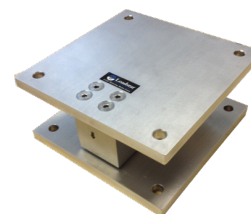
Ordering Information

Capacity	Part No.
25 kg	RAP4-025M-S
50 kg	RAP4-050M-S
250 kg	RAP4-250M-S

Suggested Mounting



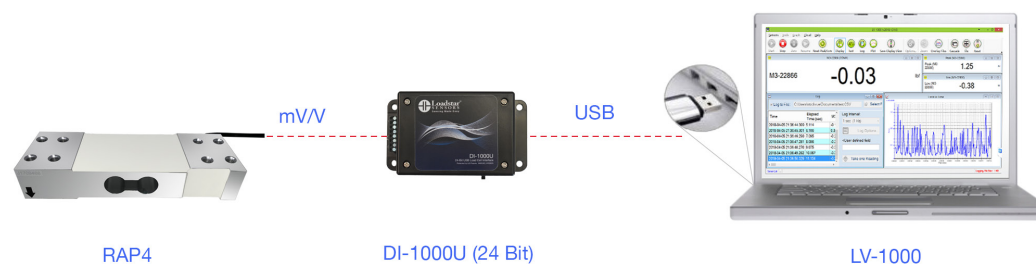
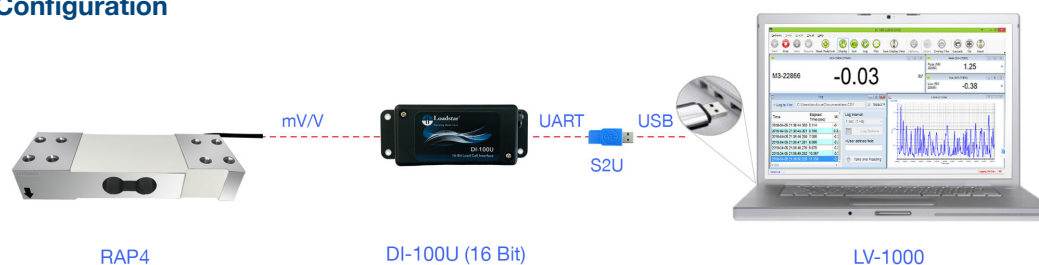
This load cell is available as a weigh module for tank weighing applications.



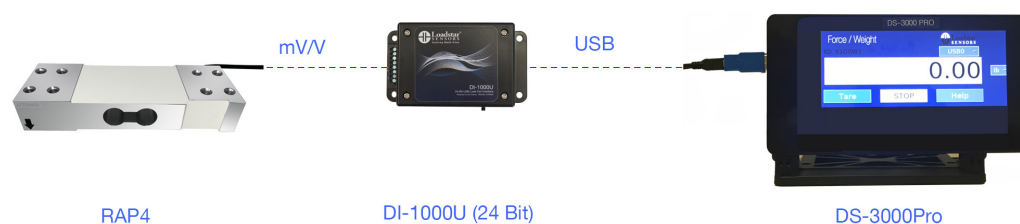
Wireless Load Cell Configuration



USB Load Cell Configuration



Touch Screen Display Configuration



Analog Load Cell Configuration

