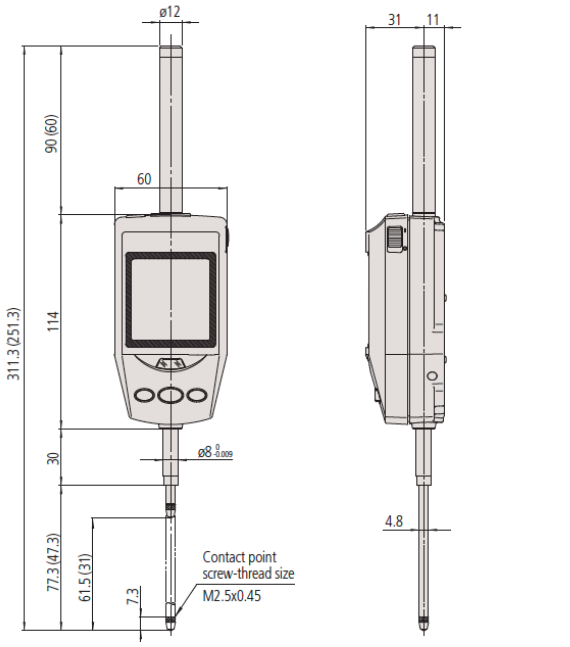
Loadstar SENSORS
Load Sensing Made Easy

iDISP High Resolution Displacement Sensor

Unit: mm



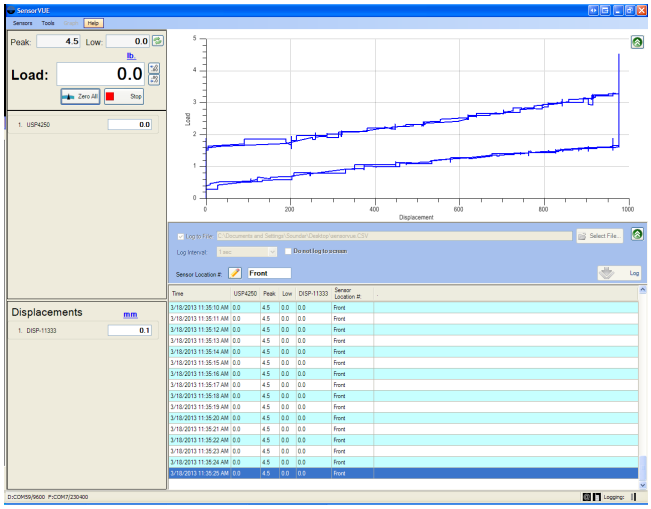
Specifications

Typical Values	iDisp - 12	iDisp - 24
Resolution	0.0005 mm	0.001 mm
Measuring Range	30.48 mm	60.96 mm
Accuracy (20°C)	0.0015 mm or less	0.0025 mm or less
Stem Diameter	ø 8 mm	ø 8 mm
Contact point	Carbide SR1.5 (M2.5x0.45)	Carbide SR1.5 (M2.5x0.45)
Contact Force	2.0N or less	2.5N or less
Maximum response speed	1000 mm/sec	1000 mm/sec
Protection	Equivalent IP-30 (at conditions ex-works)	Equivalent IP-30 (at conditions ex-works)
Power Supply	AC adapter (6V, 1A)	AC adapter (6V, 1A)
Operating Temperature	0°C~40°C	0°C~40°C
Storage Temperature	-10°C~60°C	-10°C~60°C
Net Weight	Approx. 305g (0.67 lbs)	Approx. 290g (0.63 lbs)
Output Type	USB (Virtual COM Port)	USB (Virtual COM Port)

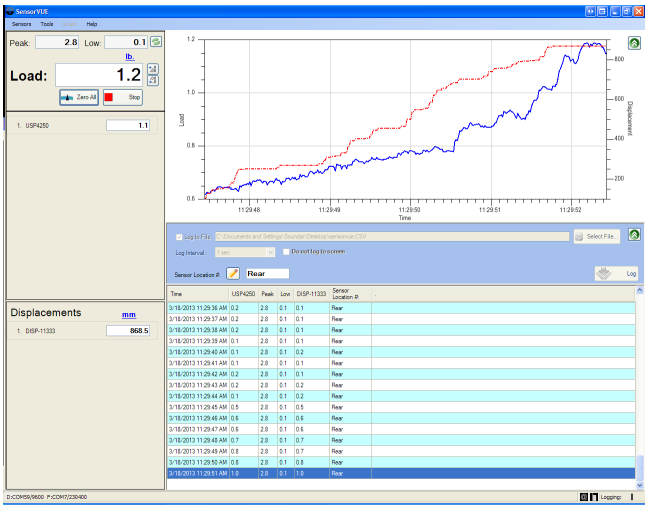
Ordering Information

Range	Part No.
1.2"(30.48mm)	iDISP-12
2.4"(60.96mm)	iDISP-24

SensorVUE software provides convenient means for easy data acquisition and display of forces and displacements simultaneously from our digital load cells and displacement sensors. SensorVUE can support any number of load cells, torque sensors, displacement sensors and/or level sensors and is available in multiple configurations. SensorVUE works on Windows PCs (XP through 8.1) and allows you to view, log and plot data.

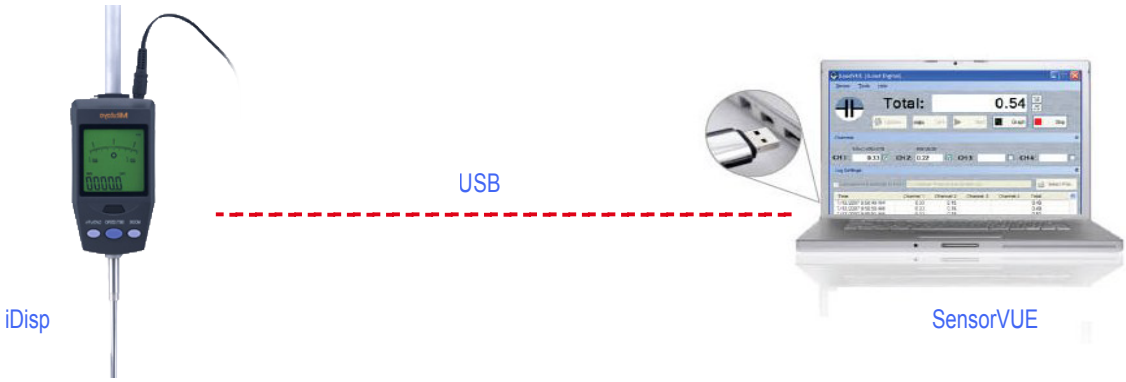


SensorVUE Force-Displacement Screen



SensorVUE Force-Time Screen

USB Configuration



Force and Displacement Measurement Solution with USB Output

You can combine any USB load cell solution we offer with a USB displacement measurement solution as shown below to quickly put together a system that allows you to simultaneously measure both force and displacement on a PC. Our SensorVUE solution allows you to display, log and plot data from both force and displacement sensors within a single program and a single log file with user selectable time intervals.