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SURFACE SYSTEMS & INSTRUMENTS, INC.

smoothroad.com

• Custom Test Equipment • Mobile Technology Solutions • FF/FL • Road Profilers • Panasonic Toughbooks

CS1100 GPS-DMI Distance Measurement Systems



▲ Simple Touchscreen Operation ▲ Multiple Settings and Units ▲

GPS Based Precision Distance Measurement

Feature	CS1100 Basic	CS1125 Advanced*
10Hz, 0.7m GPS with Corrections	✓	✓
External Mag Antenna	✓	✓
Vehicle 12V Power Supply	✓	✓
5" Touchscreen	✓	✓
Vehicle OBD-II Integration	optional	✓
Profiler Wheel Encoder Replacement		✓
Photo Electric Eye Triggering		✓
Enhanced Low Speed Accuracy		✓
Connects to Phone/Tablet/Computer		

*Coming Soon

Hardware	Software
<ul style="list-style-type: none"> • 5" touchscreen models for easy, safe operation. • Host vehicle power supply <ul style="list-style-type: none"> • Optional DC battery configuration for out of vehicle use • 10Hz GPS with satellite corrections. <ul style="list-style-type: none"> • GNSS, Glonass, Beidou, Galileo (35+ satellites) • Accurate to within 0.05% • Repeatable measurements to within 3 foot/mile • Vehicle OBD-II interface compensates when GPS lost (Advanced Model) • Quickly installed or moved between vehicles • Rugged container for shipping and storage 	<ul style="list-style-type: none"> • NO CALIBRATION REQUIRED • Current speed output • Powered on and receiving satellites in minutes • Simple to operate (stop, start, pause, input station) • Large touchscreen icons • OBD model self-calibrates incoming OBD pulses • Measure reported in English or Metric units • View GPS details and real time GPS coordinates • Connect to inertial profiler or other equipment <ul style="list-style-type: none"> • Replaces encoder hardware for some inertial profiler applications.



▲ Multiple Power & Signal Connections ▲

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