

### California

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### Kansas

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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 Configurations for Different Applications

### **GPS Based Precision Distance Measurement**

Feature	CS1100 (Basic)	CS1125 (Advanced)*	CS1150 (Pro)+
10Hz, 0.7m GPS with Corrections	✓	✓	✓
External Mag Antenna	✓	✓	✓
Vehicle 12V Power Supply	✓	✓	✓
5" Touchscreen	✓	✓	
Vehicle OBD-II Integration		✓	✓
Profiler Wheel Encoder Replacement		✓	✓
Photo Electric Eye Triggering		✓	✓
Enhanced Low Speed Accuracy		<b>√</b>	✓
Connects to Phone/Tablet/Computer			✓

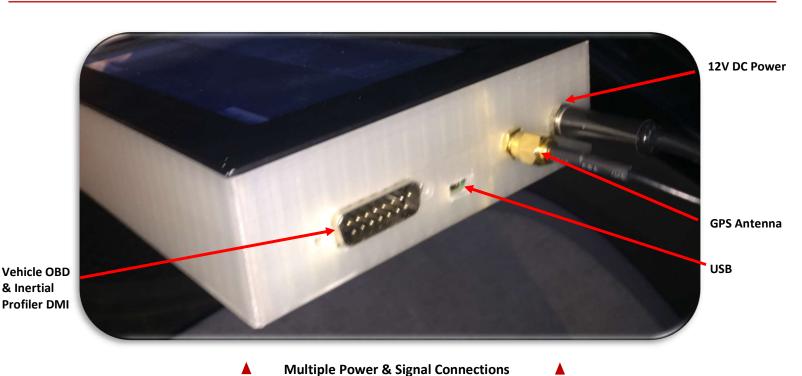
<sup>\*</sup>Estimated Q1 2024

<sup>&</sup>lt;sup>+</sup> Coming Soon





### **Hardware Software** NO CALIBRATION REQUIRED • 5" touchscreen models for easy, safe operation. Current speed output Host vehicle power supply Powered on and receiving satellites in minutes Optional DC battery configuration for out of • Simple to operate (stop, start, pause, input station) vehicle use Large touchscreen icons • 10Hz GPS with satellite corrections. OBD model self-calibrates incoming OBD pulses • GNSS, Glonass, Beidou, Galileo (35+ satellites) Measure reported in English or Metric units Accurate to within 0.05% View GPS details and real time GPS coordinates Repeatable measurements to within 3 foot/mile Connect to inertial profiler or other equipment Vehicle OBD-II interface compensates when GPS lost • Replaces encoder hardware for some inertial (Advanced Model) profiler applications. • Quickly installed or moved between vehicles



# **SURFACE SYSTEMS & INSTRUMENTS, INC.**

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Rugged container for shipping and storage

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