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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



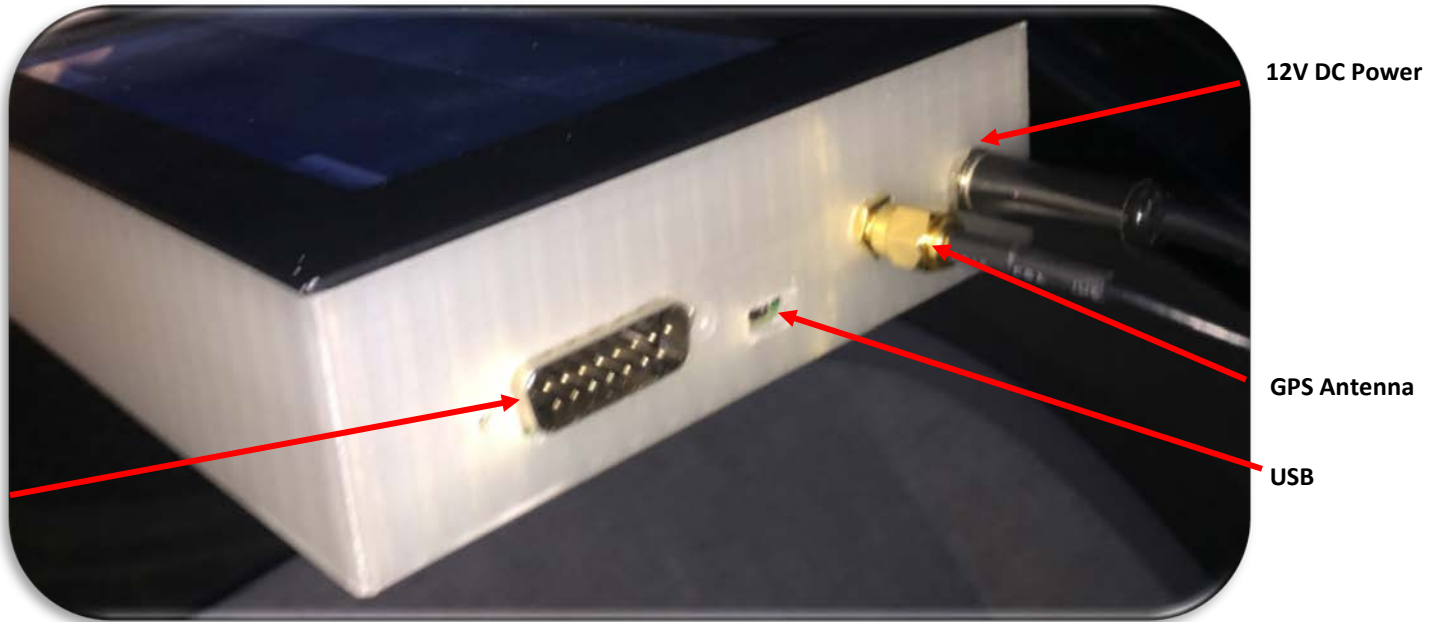
▲ Simple Touchscreen Operation ▲ Multiple Configurations for Different Applications ▲

GPS Based Precision Distance Measurement

Feature	CS1100 (Basic)	CS1125 (Advanced)*	CS1150 (Pro)*
10Hz, .7m GPS w Corrections	✓	✓	✓
External Mag Antenna	✓	✓	✓
Vehicle 12V Power Supply	✓	✓	✓
7" Touchscreen	✓	✓	✓
USB Interface	✓	✓	✓
GPS Quality Logging		✓	✓
Vehicle OBD-II Integration		✓	✓
Serial Interface		✓	✓
Profiling System DMI**		✓	✓
Bluetooth Interface			✓
PC Software Interface			✓
Event Marking			✓
Camera Support			✓
GPX/KML/GIS Export			✓
Survey (L1/L2) Capable			✓

*Estimated Spring 2017 **Compliance with ASTM/AASHTO/DOT specifications pending.

Hardware	Software
<ul style="list-style-type: none"> • 4" and 7" touchscreen models for easy, safe operation. • Powered by host vehicle power supply (optional DC battery configuration for out of vehicle use). • 10Hz GPS with satellite corrections. <ul style="list-style-type: none"> • GNSS + GLONASS +PPP • Accurate to within 0.2% • Repeatable measurements to within 1 foot/mile • Vehicle OBD-II interface compensates when GPS lost. • USB or serial data communication supported. • Moves quickly between vehicles. • Rugged container for shipping and storage. 	<ul style="list-style-type: none"> • Ready to operate in minutes. • Simple to operate. • Self-calibrating. • Measure in English or Metric units. • Connect to inertial profiler or other equipment <ul style="list-style-type: none"> • Replaces encoder hardware for some applications. • Compliance with specifications undetermined. • Windows program (advanced models, in development) <ul style="list-style-type: none"> • Plan and store distance measurements • Bluetooth connection (in development). • Camera interface (in development).



▲ Multiple Power & Signal Connections ▲

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