



Compaction and Tracking System



- Accurate pass count display
- Secure connectivity to Sitelink3D services
- Synchronized mapping with customized reporting
- Meets FHWA intelligent compaction standards
- Ruggedized temperature and accelerometer sensors

Beyond simple pass count

Through secure connectivity to the global Sitelink3D Enterprise service, each roller or compactor not only performs tasks faster, but becomes part of the overall project like never before. Our interactive 3D-MC software with Sitelink3D, accurate temperature sensor and accelerometer provide you with the tools needed for FHWA and other regulatory intelligent compaction standards.

Multiple rollers

In asphalt paving, it is very likely that there are multiple rollers working together when compacting a road or parking lot. For accurate compaction, it is crucial for each operator to be able to see not only their own passes, but those made by other machines. The C-63 intelligent compaction system from Topcon allows this to happen, ensuring proper compaction from each machine – turning compaction into teamwork.

Real-time quality control

Our C-63 system gives you the best in real-time quality control. No more guessing about the right number of passes, mix temperature or stiffness. Topcon's integrated system actively displays pass counts, ICMV values, and mix temperatures as you pave. This data is continuously updated through the Sitelink3D Enterprise status page where real-time progress is displayed and saved for future reporting. The C-63 keeps you in control without even being on the site, manage errors before they happen and fix problems remotely.

Available in two configurations

The C-63 system is available for both HMA and soil applications – each conveniently outfitted to provide you with the tools needed for the job.



Sitelink3D™

Using Sitelink3D Enterprise, project data is available to every project stakeholder, all the time. Operators, field supervisors and project supervisors back in the office have full visibility to all project data, updated in real time. This allows you to maximize efficiency on the job.



GX-60 Control Box	
Display	6.5 inch touch screen
Backlight	Auto adjusting
OS	Windows® XP
Ports	Compact Flash / USB
Dust/Water Rating	MIL-STD 810D method 506
Supply Voltage	10 to 30 VDC
MC-i3 Receiver	
GNSS	Single or Dual
Radio	SL-R3 (network) 915SS Digital UHFII
Ports	2x Serial Bluetooth® Ethernet 2x CANBus
Supply Voltage	10 to 30 VDC
Shock	25g, 11ms, any axis
Humidity	MIL-STD 810D method 506
Operating Temp	30°C to 70°C
PG-S1 Antenna	
Signals Tracked	L1 L2 GPS/GLONASS
LNA	33 dB (typical)
Antenna Connector	TNC
Dimensions (w x h x l)	141.6x141.6x54.2 mm
Weight	430 g (no ground plane) 615 g (ground plane)
Enclosure	Aluminum with plastic radome
Operating Temp	-50°C to 85°C
Storage Temp	-55°C to 85°C
Dust/Water Rating	IP67
Temperature Sensor	
Optical Resolution	15:1
Spectral Range	8 to 14µm
System Accuracy	±1.5% or ±1.5°C
Repeatability	±0.75% or ±0.75°C
Temp Resolution	±0.1°C
Vibration	IEC 68-2-6: 3G, 11 to 200Hz, any axis
Shock	IEC 68-2-27: 50G, 11ms, any axis
Supply Voltage	6 to 30 VDC 6 to 9 VDC
Enclosure	Aluminum housing
Dimensions (w x h x l)	67 x 29 x 139 mm



MC-i3

This feature-rich GNSS receiver is easy to install inside the machine preventing damage and comes Sitelink3D enabled to deliver data instantly from anywhere cellular service is available.

PG-S1

The lightweight and robust PG-S1 is an advanced GNSS antenna providing excellent tracking performance for all compaction applications.

Accelerometer

Senses real-time drum and ground vibration to automatically calculate stiffness and density compaction values. Operating at common frequencies to deliver the highest quality data instantly.

Temperature Sensor

Real-time asphalt temperature readings with front and rear sensors for accurate system reporting. Small and compact design for easy installation and handling.



For more information:
topconpositioning.com/c-63

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