



PaveScan® RDM

The PaveScan® RDM is an asphalt density assessment tool, that provides accurate real-time measurements to ensure pavement life and quality. This system is ideal for uncovering inconsistencies that occur during the paving process, including poor uniformity and significant variations in density. By detecting these problems, PaveScan helps avoid such premature failures as road raveling, cracking, and deterioration along joints.

PaveScan automatically measures the dielectric value to identify anomalies in real-time. In addition, the dielectric values can be used as a means to correlate percent voids and density in new pavement. The innovative technology enables users to obtain critical density data for QA/QC of new pavements.



MAX DEPTH Surface Only	SENSOR FREQUENCY 2 GHz
WEIGHT 32.2-36.7 kg (71-81 pounds) Cart Dependent	STORAGE CAPACITY 128 GB
DATA DISPLAY MODES Line Graph and Data Contour Map	ACCESSORIES Upgrade Kit from 1 to 3 Sensors

The PaveScan Solution

SHRP 2 R06 states “In-place density is a critical factor in determining pavement durability in hot-mix asphalt (HMA). Localized non-uniform zones of mix, termed segregation, often become low-density areas in the mat. Segregation continues to be a major construction-related problem with a significant adverse impact on pavement service life.” As such, GSSI created the PaveScan, a non-nuclear solution that provides full coverage data in real time.

PaveScan is a groundbreaking new technology that identifies areas of non-uniformity in new pavement.



See our website for more information and detailed specifications: www.geophysical.com

PAVSCAN FEATURES

Innovative Technology

PaveScan offers an easy and affordable assessment tool to non-destructively determine asphalt dielectric during application. This system is ideal for uncovering inconsistencies that occur during the paving process, including poor uniformity and significant variations in density.

Groundbreaking Solutions

PaveScan is the premier asphalt test method to identify areas of non-conformity in new pavement. It can be deployed with two different survey methods; utilizing the dielectric values or percent voids. There are no site hazards or need to close off work areas as is the case with nuclear gauges/radioactive alternatives.

Data Visualization

From technician to engineer, PaveScan is easy to operate. With seamless GPS integration, real-time onscreen data output, and export options, this system is ideal for government transportation agencies and paving contractors alike.

TYPICAL USES

- Non-destructive asphalt compaction testing
- Quality assurance/quality control of new pavements
- Determining pavement non-conformity

FCC, RSS-220 and CE Certified

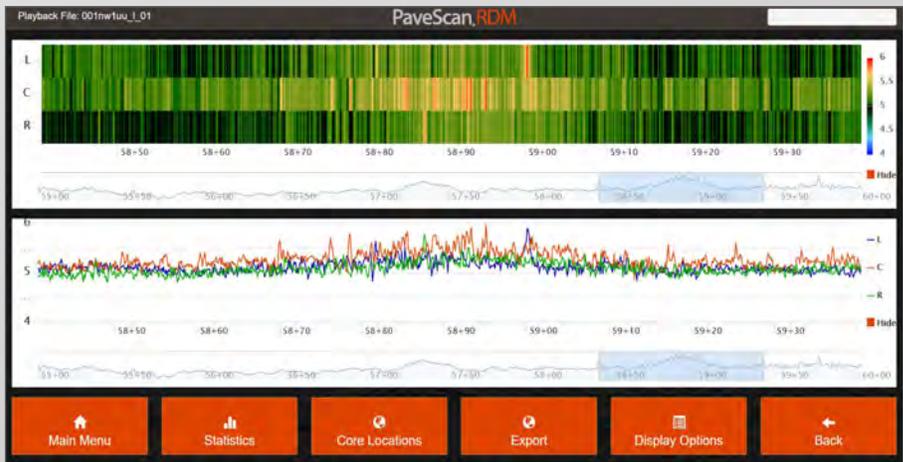
PAVSCAN DATA

Real-time Survey: Dielectric Display

PaveScan automatically calculates the dielectric measurement of new pavement, the dielectric value is a measure relative to the asphalt mix. It identifies the outliers and anomalies, allowing users to determine the conformity of new pavements and appropriate areas to core.

Gathered Results: Percent Void Display

PaveScan provides users a full coverage survey method to determine asphalt integrity by correlating percent voids with density. To map the percent void content, users first determine areas to core using the dielectric measurements. After the cores are evaluated, the percent void content can be back-calculated for the survey area and displayed on the PaveScan system, or output via a .csv file.



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