

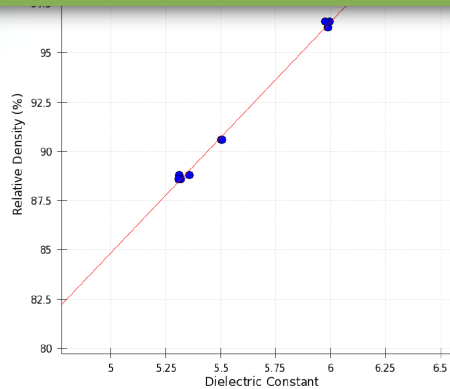


Earth Science Systems

ESSENTIAL UNDERGROUND INFORMATION

Asphalt Mix Calibration Kit

The **Asphalt Mix Calibration Kit** provides the density calibration and verification for the Asphalt Pavement Scanner.



The **Asphalt Mix Calibration Kit** is an accessory to the Asphalt Pavement Scanner (APS) that provides the asphalt mix specific calibrations. Starting with a set of gyratory compactor pucks, the dielectric constant of each puck is measured using advanced radar technology. Then the density of each pucks is determined using a water displacement method such as AASHTO 166. The APS software creates a mix calibration that can be transferred to scanners operating at the job site.

The kit also contains various calibration standards that are used to verify the the APS is performing properly in all modes of operation.

The APS scanner can also be operated in gauge mode when the kit's coupling cone is placed on the scanner. This allows users to use the APS scanner like a density gauge with the use of nuclear sources.

Mix Calibration Kit



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Advanced Software

Manages compaction puck calibration references.

Factory Calibrated Dielectric

Included dielectric reference disk allows verification of factory calibration at any time.

Tablet Operation

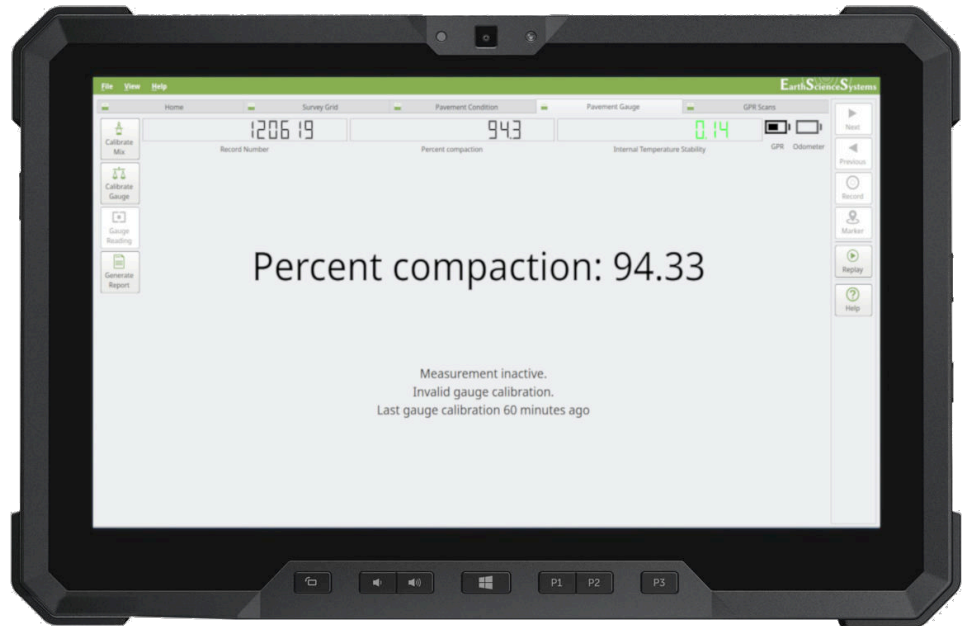
All calibration, spot measurement and reporting can be performed on a tablet computer. No second computer necessary.

Upgrade to Density Mapping

Add a scanning cart (shown below) to create maps of pavement density and temperature using the same radar device.

Gauge Mode

Operate the scanner as a gauge to make spot measurements of dielectric and density.



Easy Setup with No Cables

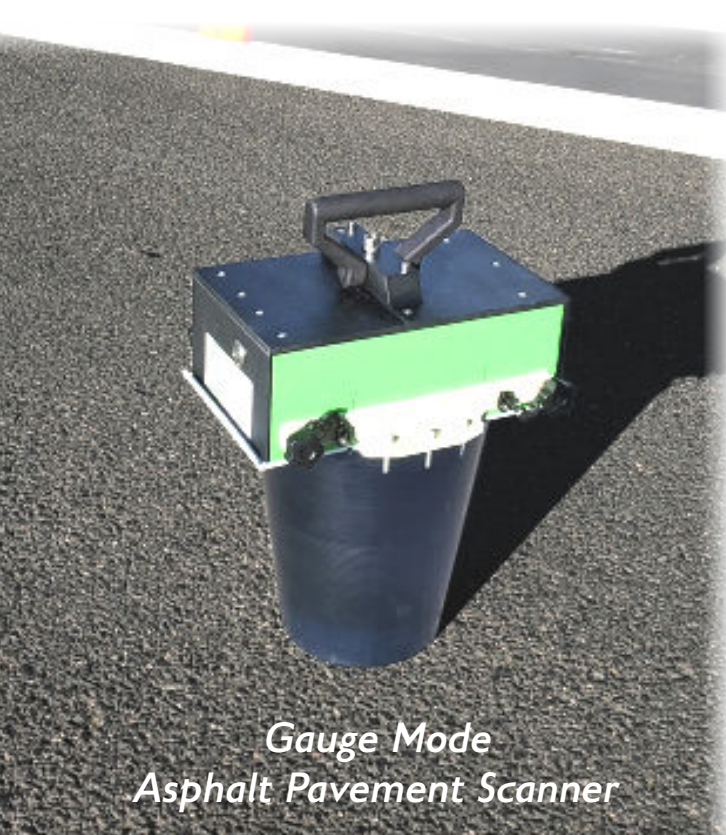
No cables to get frayed, and no damaged or dirty connectors to replace. Eliminates intermittent connections.

Easy Charging

The shipping case's integrated charger can charge all system components simultaneously.

Specifications

- 2 GHz bi-static radar antenna
- Rugged Dell tablet computer
- WiFi for completely cable-less operation
- Durable IP65 ingress protection
- Localization using GPS
- Calibrate from compactor pucks or cores
- Included dielectric reference disk
- Rechargeable LiFePO4 battery with up to 6 hours continuous operation
- Two batteries with dual charger for all day use
- Shipping dimensions:
32 x 20.5 x 15.75 inches (81.3 x 52.1 x 40 cm)
92 lbs. (41.7 kg)



*Gauge Mode
Asphalt Pavement Scanner*