Earth Science Systems
ESSENTIAL UNDERGROUND INFORMATION

Complete
Instrumentation Solutions

Asphalt Pavement Scanner

Rapid Data Collection for Acceptance and Risk Reduction

Produce maps of dielectric, compaction, density, thickness and temperature to assess quality and uniformity.

The **Asphalt Pavement Scanner** continuously measures dielectric using advanced radar technology with additional integrated sensors. An optional calibration process converts dielectric to density and compaction. The integrated **precision GPS receiver** allows **detailed maps of density, compaction and temperature** to be generated with centimeter-level resolution. Cart-mounted operation allows rapid deployment and scanning with greater coverage than spot measurements. Nuclear sources of conventional density gauges are **eliminated**, as are their training and licensing

Complete Instrumentation Solutions Private Limited,
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Asphalt Pavement Scanner

Continuous Real-Time Pavement Compaction and Roughness

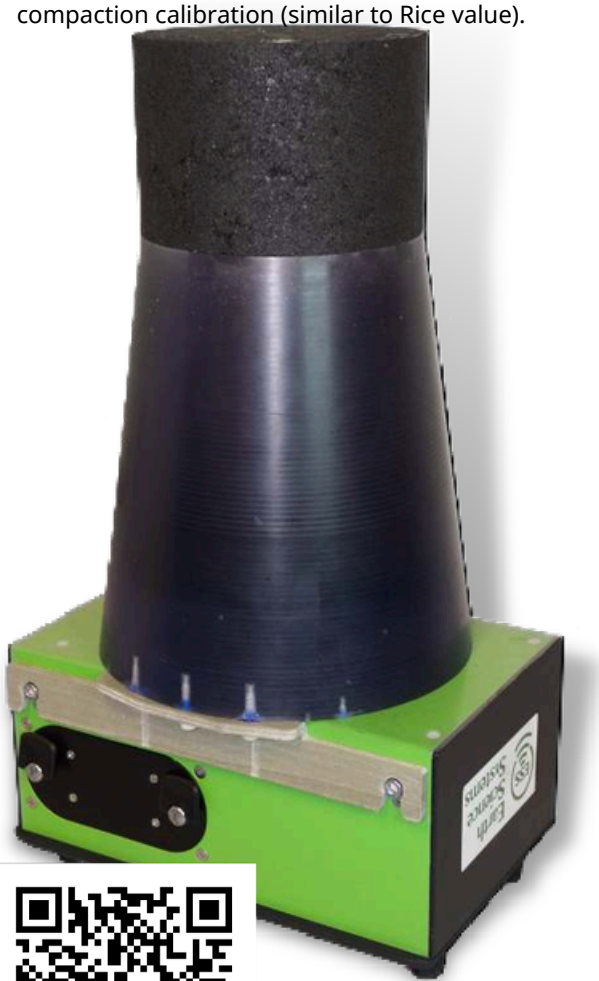
Complete Instrumentation Solutions

Advanced Software
Real-time generation of maps and historgrams for dielectric, compaction, density and temperature.

Rich Reporting
Create PDF and image output overlaid on satellite imagery. Export data to industry standard VETA software. Generate histograms and pass/fail statistics.

Lightweight Maneuverable Cart
Disassembles for easy transport and storage. Includes integrated wireless odometer for enhanced distance accuracy.

Calibration Kit (optional)
Measure dielectric constant of gyratory compactorpucks to obtain precise density/ compaction calibration (similar to Rice value).



No Cables In Operation
All components connect wirelessly.

PointPerfect™ Position Assistance (recommended)
Subscribe to PointPerfect through ESS Cloud to achieve centimeter-level precision anywhere in the continental United States (and other select regions) with no special technical knowledge. Cellular internet access required.

NTRIP/CORS Position Assistance (optional)
As an alternative to PointPerfect, the integrated GNSS receiver is compatible with many NTRIP/CORS networks. Performance varies. Requires GNSS technical knowledge, third-party account(s) and cellular internet access.

Specifications
- 2 GHz bi-static radar antenna
- Non-contacting IR temperature sensor
- Rugged tablet computer
- Durable IP65 ingress protection
- AASHTO PP 98-19 compliant
- Integrated precision dual-band quad-constellation GNSS receiver (GPS, GLONASS, Galileo and BeiDou) with SBAS support
- Optional calibration kit
- Mix calibration using compactor pucks or cores
- Dual removable Li-Ion batteries provide all-day operation
- Cart includes wireless odometer with removable batteries
- Shipping dimensions:
  36 x 28 x 20 inches (91.4 x 71.1 x 50.8 cm), 99 lbs. (45 kg)

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