

NON-NUCLEAR SOIL ELECTRICAL DENSITY GAUGE, TOUCH SCREEN

STANDARDS: ASTM D 7830

The Electrical Density Gauge (EDG) is a nuclear-free alternative for determining the moisture and density of compacted soils used in road beds and foundations.

The EDG is a portable, battery-powered instrument capable of being used anywhere without the concerns and regulations associated with nuclear safety.

- 5.0 in. full color graphics driven user interface, touch screen operation, easy to use.
- New Status Bar feature, displays GPS status, data save status, available battery voltage, low battery status and date and time.
- New data management feature, quickly Access, download, or delete your Project data.
- Ability to download files from the device via USB drive.
- Fast, reliable, accurate Material density and compaction test, and repeatable readings in real time, user friendly, cost effective.
- No additional calibration is required and field testing can be performed directly Users only need to input the corresponding data to create the soil model before use.
- The data can be read accurately in 5 seconds, with higher precision and better stability.
- Non-nuclear means no badges, licenses or storage and transport concerns.

OPERATIONAL FEATURES:

Status Bar: Displays GPS status, battery voltage, low battery and date and time.

Storage: Stores up to 4000 projects measurement points with details, and up to 24 soil models.

Data Logging: When enabled, stores all measurements taken in single or average modes. (Status Bar Icon)

Reports: Easily download data to be imported into Excel.

GPS Control: When activated will display latitude and longitude positions, number of satellites the gauge is connected to as well as the UTC date and time, also available in UTM format. GPS information will store with each measurement when Data Save and GPS feature is enabled. (Status Bar Icon)

Update Software: One touch upload of new software using a USB memory stick.

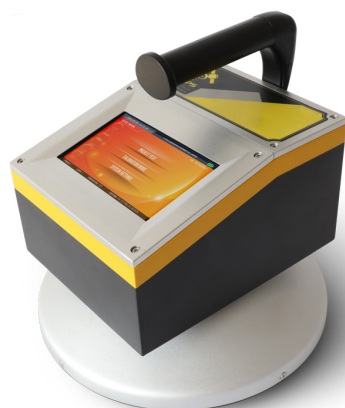
Data Management: Quickly access, download or delete your Project data.

Set Time & Date: Quick time and date setup, MM/DD/YY and DD/MM/YY formats

Units: Interchangeable settings for Density (kg/m³, lb/ft³), Temp (°C, °F), Depth (in, mm) and Stone size (in, mm).)

Enhanced customer support: Diagnostic screen to aid in factory Support

User Programmable Target Density: Used for calculating % compaction



HR-S0935



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OPERATIONAL SPECIFICATIONS:

MODES:

Single: Reading time less than five (5) seconds. Stores Data.

Average: Averages five (5) readings and stores data including location, date and time. Stores thousands of records.

Continuous: Instantaneous density readings.

FUNCTIONS:

Wet & Dry Density, % Compaction, % Moisture

SOIL SPECIFICATIONS:

Designed to operate with standard soils used in civil construction projects.

Requires inputs from standard

- Standard Test Methods for Liquid Limit,
- Plastic Limit, and Plasticity Index of Soils (ASTM D4318)
- Particle Size Distribution (ASTM D422)
- Proctor Test (ASTM D698 and D1557)

Operating Temperature: -7 °C to 43°C

MEASUREMENT SPECIFICATIONS:

Sensing Area: 11 in. (27.9 cm) diameter base allows optimum measurement on fine and coarse material types.

Measurement Depth: 50-300 mm

Measurement Display: Density, % Compaction, Surface Temperature, Mix Name and Project Name

ELECTRICAL SPECIFICATIONS:

Microprocessor Controlled

Battery: 10400 mAh lithium-ion rechargeable battery

Battery Time: >7h (low brightness backlight)

Battery Charger: 5V, USB

Computer Ports: 1 USB Port

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S0935	Non-Nuclear Soil Electrical Density Gauge, Touch Screen, ASTM D 7830	27x27x28	3