



Product Code

UTAS-2160 Non-Nuclear Asphalt Density Gauge

Standards

ASTM D7113; AASTHO T 243-12

Non-Nuclear Asphalt Density Gauge is used for determination of density of asphalt specimens with non nuclear method. UTAS-2160 is equipped with a touch screen and user friendly graphical menu interface, running Microsoft Windows silently in the background for flawless operation, easy software are upgrades and enhanced user support.



The instrument general specifications are;

- Full colour graphics driven interface, 480 x 640 VGA touch screen display with LED backlight for easy visibility.
- Displays GPS status, available battery voltage, low battery and date/time,
- Rugged case design made from aluminum, powder-coated gloss black with orange reflective vinyl graphics increasing driver awareness to road workers at night
- Data Management Feature, quickly access, can be downloaded and deleted project data,
- Required files can be downloaded to UTS-1280 via. USB,
- Fast, reliable, accurate, and repeatable in real time, User Friendly and cost effective.
- The most important point is; Non-Nuclear means no Badges or licences and no storage or transport concerns.

OPERATIONAL FEATURES

- **Display:** Full color graphics driven user interface, 480x640 VGA touch screen display with LED backlight for easy visibility in daylight or dark environments.
- **Status Bar:** Displays GPS status, Data Save status, battery voltage, low battery, date and time
- **Project Details:** Stores up to 20 projects with details,
- **Mix Details:** Stores up to 20 mixes, details include (MTD, Mix Name, Stone Size, Depth, Offset, Operator Name)
- **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)
- **Standardization:** While gauge is still in the case, a quick one touch measurement will ensure the gauge is still in proper working mode
- **Calculator:** Built in four function calculator
- **Enhanced Customer Support:** Diagnostic screen to aid in factory support
- **User Programmable Target Density:** Used for calculating compaction %
- **User Changeable Battery:** Easily change batteries in the field

Operational Specification

Mode	
• Single	Reading time less than five (5) seconds. Stores Data
• Average	Averages five (5) readings and stores data including date and time. Stores thousands of records
• Continuous	Instantaneous density readings.
• Segregation	Identifies variations in material density associated with segregation.
Function	
• Density	% Compaction
• Integrated Temperature Sensing	Real time temperature display 0° F to 350 °F [-17.7° C to 177.6° C]
Calibration Mode	
• Normal	Correlation offset to cores

Measurement Specification

• Sensing Area	11 in. (27.9cm) dia. base allows optimum measurement on fine and coarse material types.
• Measurement Depth	User selected and adjustable from 1 in. to 4 in. (25mm to 100mm)
• Measurement Display	Density, % Compaction, Surface Temperature, Mix Name & Project Name

Mechanical Specification

• Unit Weight	6.44kg (14.2 lbs)
• Unit Dimensions	27,9 cm x 27,9 cm x 30,4 cm (11"x11"x12" High) with handle extension 73,6 cm High (29")
• Shipping Weight w/Case	19,27 kg (42,5 lbs)
• Shipping Dimensions	63,5 cm x 50,8 cm x 35,5 cm (25" x 20" x 14")

Electrical Specification

• Microprocessor Controlled	
• CE Mark	Complies with EN 61000-4-2, 61000-4-3, 61000-4-8
• Battery	14.0 Amp-hr NiMH, 7.2V
• Recharge Time	4 hours
• Battery Charger	Self Contained CE & UL Certified Universal AC Charger, DC Charger
• Computer Ports	1 USB Port