

A ROCK SOLID APPROACH FOR NON-NUCLEAR DENSITY MEASUREMENTS

The InstroTek NoNuke™ is the first non-nuclear density gauge to offer system error warnings, and advanced measurement technology. These features result in more accurate and precise density and percent compaction results. The NoNuke allows measurements from 0.5 inches (12 mm) to a depth of 5 inches (125 mm) below the surface. By controlling the NoNuke's measurement depth, percent compaction can be determined more accurately on asphalt pavement.

The NoNuke's advanced systems include **Moisture Presence Warning**, **Auto Surface-Roughness Correction** and **Gauge System Checks**, which notify the user of potential gauge issues and help eliminate outside factors that can affect the gauge readings. A large backlit LCD screen and alphanumeric keypad make it easy to enter data, view results and navigate menu options day or night.

The NoNuke offers 2GB of internal storage space and USB or Bluetooth connectivity to the NoNuke Mobile App. Using any Android Smartphone or tablet, users can collect data, view test results, and create reports. Rechargeable NiMetal Hydride batteries power the unit for up to 40 hours of operation. The QuickTest button located on top of the gauge handle makes it easy to take repetitive readings. *Go Beyond the surface with the InstroTek NoNuke!*



Patent Pending

NONUKE™

FEATURES

- ▶ Meets and exceeds the requirement of **ASTM D7113 and AASHTO T343**
- ▶ Daily Gauge functionality check
- ▶ Automatic correction models for surface roughness effect
- ▶ Non optimum gauge contact to surface warning
- ▶ Pavement moisture presence warning
- ▶ Project and Special Calibration storage for up to 25 Mixes with GPS location
- ▶ Mobile App reporting for any Android Smartphone or Tablet
- ▶ GPS for Precise Location Data
- ▶ Latest Software updates via USB flash drive
- ▶ 2GB of Internal Storage for Easily Reviewing and managing project data in the gauge
- ▶ Linear and non-linear calibration routines for accurate density results

SPECIFICATIONS

ELECTRICAL AND SOFTWARE

LCD Display	Easy to read 4x20 character LCD with backlight
Project Storage	Stores up to 25 mixes and projects
Data Logging	Log data to USB storage
Reports	Downloadable via USB or Bluetooth
Location	GPS for precise location data
Remote Software Updates	Quickly update software by USB (No need to send gauge back to manufacturer)
File Storage	2GB of storage
Data Management	Easy review, delete or download of projects
Time And Date	Setup time and date
Units	Density (g/cm ³ , kg/m ³ , lb/ft ³) Temp (°C, °F), Aggregate Size (mm, in)
Gauge Verification	Daily functionality check with integrated reference standard
User Calibration Access Input	1. Target density for % Compaction 2. Aggregate size 3. Manual offset
Depth Correction	Multi levels measurement systems to provide deep densities and % compactions
Surface Roughness Correction	Automatic correction models for surface roughness effect
Contact Warning	Non optimum gauge contact to surface warning
Moisture Presence Warning	Pavement moisture presence warning
Power	6 AA Rechargeable NiMetal Hydride
Battery Life	20-40 Hours, Depending on Usage

MEASUREMENTS

Measurement Modes	Single point reading Average of Five Readings to Ensure Highest Degree of Accuracy
Displayed Parameters	Density, % Compaction, Surface Temperature, and Project ID
Linear Calibration	Using cores to offset readings
Mix Specific Calibration	Using user input and mix information
Measurement Area	13" diameter Sensor Size
Depth of Measurement	0.5" (12mm) to 5" (125mm)
Quick Count Button	Button on Handle

SHIPPING

Gauge Size	11" x 18" x 14" (H 28 cm x L 46 cm x W 36 cm)
Weight	21 lb (9.4 Kg)
Shipping Weight in Case	45 lb (20 Kg)
Shipping Dimensions	25" x 20" x 14" (63 cm x 51 cm x 36 cm)