

## NONUKE™ non-nuclear asphalt density gauge

### A ROCK SOLID APPROACH FOR NON-NUCLEAR DENSITY MEASUREMENTS

The InstronTek **NoNuke™** is a non-nuclear density gauge that offers system error warnings, and advanced measurement technology resulting in accurate and precise density and percent compaction measurements.

The NoNuke's advanced systems include **Moisture Warning**, along with a number of other **System Checks**, which notify the user of potential issues and help eliminate outside factors that can negatively affect the 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 to the Next Level Go NoNuke!**



### 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<br>(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 <sup>3</sup> , kg/m <sup>3</sup> , lb/ft <sup>3</sup><br>Temp (°C, °F), Aggregate Size (mm, in) |

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| User Calibration Access Input | 1. Target density for % Compaction<br>2. Aggregate size 3. Manual offset |
| Moisture Warning              | When moisture presence is suspected                                      |
| Power                         | 6 AA Rechargeable NiMetal Hydride                                        |
| Battery Life                  | 20-40 Hours, Depending on Usage                                          |

#### MEASUREMENTS

|                                                                   |                                                            |
|-------------------------------------------------------------------|------------------------------------------------------------|
| Measurement Modes                                                 | Single point and multiple reading average mode             |
| Precision at 142 lb/ft <sup>3</sup><br>(2.275 g/cm <sup>3</sup> ) | ±0.13 lb/ft <sup>3</sup> (±0.002 g/cm <sup>3</sup> )       |
| Displayed Parameters                                              | Density, % Compaction, Surface Temperature, and Project ID |
| Measurement Area                                                  | 9" diameter                                                |
| Depth of Measurement                                              | Surface to 2 inches (50 mm)                                |
| Quick Count Button                                                | Button on Handle                                           |

#### OPERATING TEMPERATURE

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| Ambient             | -10 to 70°C (14 to 158°F)                                                                  |
| Surface             | 170°C (338°F)                                                                              |
| Storage Temperature | -70 to 185°F (-55 to 85°C)                                                                 |
| Humidity            | 98% non-condensing environment, advance sealing of boards for improved moisture resistance |

#### SHIPPING

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| Gauge Height            | 14.5 inches (37 cm)                               |
| Gauge Base              | 16 x 10.5 inches (41 x 27 cm)                     |
| Weight                  | 19 lb (8.6 Kg)                                    |
| Shipping Weight in Case | 60 lb (25.4 Kg)                                   |
| Shipping Dimensions     | 19.5 x 19.5 x 19.5 inches (49.5 x 49.5 x 49.5 cm) |

### FEATURES

- ▶ Meets and exceeds the requirement of ASTM D7113 and AASHTO T343
- ▶ Daily Gauge functionality check
- ▶ Pavement moisture 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 measurement location
- ▶ Latest Software updates via USB flash drive
- ▶ 2GB of Internal Storage for Easily Reviewing and managing project data in the gauge
- ▶ Latest Software updates via USB flash drive
- ▶ Predetermined calibration routines for accurate density results