

# pqi<sup>380</sup>

non-nuclear  
asphalt  
density gauge

- Full color graphics driven user interface, 480x640 VGA touch screen display with LED backlight for easy visibility
- New status bar feature, displays GPS status, data save status, available battery voltage, low battery status and date and time
- Rugged new case design made from .090" 5052 aluminum, powder-coated gloss black with orange reflective vinyl graphics increasing driver awareness to road workers at night
- New data management feature, quickly access, download or delete your project data
- Ability to download files from the PQI 380 via USB drive
- Fast, reliable, accurate and repeatable readings in real time, user friendly, in-process, cost effective tool for any crew member
- Most important, Non-Nuclear means no badges, licenses or storage and transport concerns



# pqi 380

## non-nuclear asphalt density gauge

## specs

### OPERATIONAL SPECIFICATIONS:

#### Modes:

- **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.

#### Functions:

- Density, % Compaction
- Integrated Temperature Sensing: Real time temperature display 0° F to 350° F (-17.7° C to 177.6° C)

#### Calibration Modes:

- **Normal:** Correlation offset to cores.

### MEASUREMENT SPECIFICATIONS:

- **Sensing Area:** 11 in. (27.9cm) diameter base allows optimum measurement on fine and coarse material types.
- **Measurement Depth:** User selected and adjustable from .75 in. to 6 in. (19.05mm - 152.4mm)
- **Measurement Display:** Density, % Compaction, Surface Temperature, Mix Name & Project Name

### MECHANICAL SPECIFICATIONS:

- **Unit Weight:** 14.2lbs (6.44kg)
- **Unit Dimensions:** 11in x 11in x 12in High (27.9cm x 27.9cm x 30.4cm) with handle extension 29in High (73.6cm)
- **Shipping Weight w/ Case:** 49lbs (22.22kg)
- **Shipping Dimensions:** 17.5in x 18.5in x 20in (44.45cm x 47cm x 50.8cm)

### ELECTRICAL SPECIFICATIONS:

- **Microprocessor Controlled**
- **CE Mark:** Complies with EN61000-4-2, 61000-4-3, 61000-4-8
- **Battery:** 14.0 Amp-hr NiMH, 7.2volt
- **Recharge Time:** 4 hours
- **Battery Charger:** Self Contained CE & UL Certified Universal AC Charger, DC Charger
- **Computer Ports:** 1 USB Port

### WARRANTY:

- **Standard:** 12 month
- **Optional Extended Warranty:** Customer CarePlan available, contact TransTech or your local authorized distributor

### OPERATIONAL FEATURES:

- **Display:** Full color graphics driven user interface, 480x640 VGA touch screen display with LED backlight for easy visibility in daylight or dark situations
- **Status Bar:** Displays GPS status, Data Save status, battery voltage, low battery and date and time
- **Project Details:** Stores up to 10 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/m<sup>3</sup>, lb/ft<sup>3</sup>), 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 insure 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

### FUTURE OPTIONAL ACCESSORIES:

- Stand Alone Charger, Extra Battery Packs & Printer

PQI 380  
Complies with



D7113-05

T 343-12

**Globallab**  
Material Testing Equipment

