

S059

**GEOGAUGE****Non nuclear gauge for site soil compaction control, stiffness and young modulus**

STANDARD: ASTM D6758

Technical features:

Stiffness	3 to 70 MN/m
Young's Modulus	26 to 610 Mpa
Measure Depth	from 230 to 310 mm.
Measure Duration	75 seconds
Power	Six D-Cell Batteries (500 to 1500 measurements)
Dimensions with case	470x420x330 mm
Weight	15 kg.

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352

The GeoGauge is the only hand portable gauge available to provide the required simplicity, quickness and precision to directly measure and monitor the in-place engineering properties and do so at construction speed. The GeoGauge applies a constant load vibrating force to the soil's surface and measures the resulting displacement. This dynamic technology simulates actual in-use conditions. One instrument to link design specifications with compaction in 75 seconds for enhanced QC/QA.

Applications include subgrade, subbase, base monitoring the strength gain of lime, cement, fly-ash and polymer stabilised materials, monitoring the re-compacting of asphalt and cold in-place recycling to peak properties to prevent wasted effort and damaging over-compaction. The GeoGauge compliments and provides alternative to resilient modulus, Falling Weight Deflectometer, field California Bearing Ratio, plate load test, dynamic cone penetrometer and other measures of strength, stiffness, modulus and deflection.

ACCESSORIES:

**S059-01** Infrared Interface and Serial Port Adapter with Software Template (PC only)

**S059-02** Verifier Mass (verifies Geo-Gauge operation).



S059

S060

**Nuclear moisture density gauge**

STANDARDS: ASTM D6938, D2950, D1040 / AASHTO T310

It provides a rapid method of on-site determination of moisture density content of soils, aggregates and asphaltic concrete.

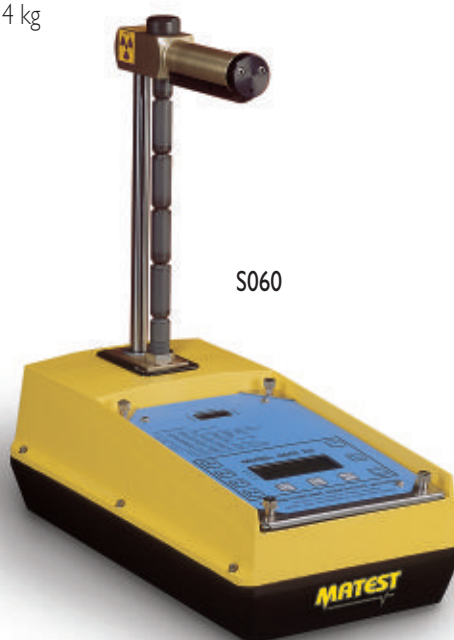
The microprocessor displays all functions directly.

Wet and dry density, moisture percent, moisture content, percent compaction for both soils and asphaltic concrete, void ratio and percent air voids.

Surge is 300 mm with index rods for direct transmission depths in 25 mm. increments. Stores up to 320 field tests, transferable to PC or printer.

Gage dimensions: 400x220x140 mm

Weight: 14 kg



S060

ACCESSORY:

**S060-10** Infrared interface, complete with cable to PC and software.