MONITORING > DENSITY DETERMINATION

NUCLEAR DENSITY/MOISTURE TESTING MACHINE

Code : G852



- The Nuclear Density/Moisture Tester (G852) is a portable, field-ready instrument used for rapid and accurate determination of in-situ soil and aggregate density and moisture content.
- Utilizing gamma-ray attenuation and neutron scattering principles, the device provides real-time measurements of wet density, dry density, and moisture content, essential for quality control in earthworks and pavement construction.
- The gauge operates in both direct transmission and backscatter modes, accommodating various material types and layer thicknesses, with a measurement depth range up to 12 inches (30 cm) in 1-inch (2.5 cm) increments.
- Test durations are selectable via the control panel, offering options of 15 seconds, 1 minute, or 4 minutes, allowing flexibility between rapid assessments and high-precision measurements.
- Equipped with a user-friendly interface and digital display, the instrument ensures straightforward operation and immediate access to test results, enhancing field productivity.

- The G852 model incorporates safety features compliant with international radiation safety standards, including secure source encapsulation and shielding, ensuring operator protection during use.

TECHNICAL SPECIFICATIONS

- Test time: 15 sec / 1 min / 4 min
- Depth Range up to 12” (30 cm)
- Increment: 1” (2.5 cm)

ORDERING INFORMATION

Item Name	Item Code
NUCLEAR DENSITY/MOISTURE TESTER	G852X00AB