



Product Code: NL 5032 X / 001

Electrical Density Gauge (EDG)

Standard: ASTM D7698, ASTM D1556, ASTM D2167, ASTM 2937, ASTM 4564, ASTM 6938, ASTM D 2216, ASTM D 4643, ASTM D 4744, ASTM D 4959

Description:

The Electrical Density Gauge (EDG) is a portable, nuclear-free, battery-powered device that determines the moisture and density of compacted soils in roadbeds and foundations. It's user-friendly, guiding testers through the procedure without nuclear safety concerns.

Technical Specifications

Soil Compaction Range	Standard field compaction range
Test Range Depth	30 cm
Control Device	Compact steel case with touchscreen
Soil Sensor Probe	Internal Built-In
Data Transfer	USB Port or Bluetooth (Optional)
GPS Accuracy	3 meters (optional)
Wet Density Range	Typical Compacted Earth Sites Range
Dry Density Range	Within 3% of standard tests
Moisture Content-Range	Typical Compacted Earth Sites Range
Moisture Content Accuracy	Within 2 % of standard tests
Operating Temperature	0 - 50 °C
Ambient Operating Humidity	5 - 90 %, non-condensing
Power	Li-Ion Battery (AAA Battery Optional)
Battery Life	Approx. 20 Hours
Battery Charger	220~240 V, 50/60 Hz
Battery Capacity	18650 / 2600 mAh
Case Dimensions	420(L) x 330(W) x 220(H) mm
Weight	5.5 kg

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