SOIL DENSITY METER

PCE-SCD 50



- **wet and dry density, % compaction, % moisture**
- **measurement within 5 seconds**
- **precise measurement results**
- **internal data memory for 4200 values**
- **status bar for GPS signal, memory and battery**
- **5-inch touch screen**
- **location determination via GPS**
- **software**
- **versatile**
- **user-friendly**

The soil density meter is a modern measuring instrument that enables precise analyses of wet and dry density, degree of compaction and moisture content in soil. A soil density meter is used in various areas, including road construction, foundation construction, landfill construction, environmental and hydraulic engineering. They help engineers and site managers to analyse soil properties and quality to ensure that soils are suitable for the intended construction projects. By precisely recording the density, degree of compaction and moisture content, well-founded decisions can be made on further soil treatment, compaction or stabilisation. It makes a decisive contribution to quality assurance and enables a well-founded assessment of material properties in order to carry out construction projects efficiently, safely and sustainably.

Equipped with an integrated GPS, it provides precise location data for every measurement. The large 5-inch touch screen ensures user-friendly operation and quick navigation through the functions. Thanks to the fast measuring time of just 5 seconds, the soil density meter enables efficient work and prompt results. The soil density meter has an internal data memory with capacity for up to 4200 measured values, allowing extensive data to be saved directly and analysed later.

Specification

General technical data	
Measuring functions	Wet density, Dry density, %moisture, %compaction
Units	g/m³
Standard(s)	ASTM D4318, ASTM D422, ASTM D4698, ASTM D1557
Operating time	7 h
Measuring field	25 cm
Measuring depth	50 ... 300 mm
Menu language	English (GB), English
Protection class (device)	IP52
Power supply	220 V | 50 Hz
Connector type	Euro plug
Capacity	10400 mAh
Operating conditions	-7 ... 43 °C , 0 ... 95 % RH
Storage conditions	-7 ... 43 °C , 0 ... 95 % RH
Dimensions (H x D)	240 x 250 mm
Weight	2840 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk