

MATERIAL TESTER

PCE-UCD 100



- » **Measurement on concrete piles, concrete beams**
- » **Measurement parameters: Concrete strength, error detection, size and depth of voids, cracks**
- » **Includes a camera for measuring crack width**
- » **Bandwidth 1 to 500 kHz**
- » **Display: 10.1" TFT touchscreen display**
- » **Sturdy carrying case**
- » **Internal storage: 8 GB**

The material testing device sets a new standard for the quality control of concrete structures. With a wide range of measurement parameters and state-of-the-art technology, this material testing device enables accurate assessment of concrete piles, concrete beams, and other building components. This innovative material testing device provides not only reliable concrete strength measurements but also detailed error detection, including the size and depth of voids and cracks. The included camera even allows for precise measurement of crack widths.

The material testing device is specifically designed to accurately measure concrete strength and detect flaws such as voids and cracks. It enables measurements on concrete piles, concrete beams, and other concrete structures. The camera allows for high-resolution capture of cracks and facilitates precise measurement of crack width directly on the material testing device. With an impressive bandwidth of 1 to 500 kHz, the material testing device covers a wide frequency spectrum, enabling accurate and reliable measurement in various concrete structures. The material testing device features a 10.1" TFT touchscreen display that provides a clear and intuitive user interface.

The material testing device comes in a robust carrying case, which not only enables easy transportation but also protects the material testing device from impacts and moisture.

Specification

Acoustic signal range

Measurement range up to -1677700 μ S ... +1677700 μ S

Resolution 0.05 μ s

General technical data

Measuring functions Detection of concrete piles, Concrete strength, Depth and width of blowholes, cracks

Measuring interval 0.05 ... 409.6 μ S

Display type TFT colour display

Display size 10,1 Inch

Interface USB

Bandwidth 1 ... 500 kHz

Test voltage 125 V, 250 V, 500 V, 1000 V

Gain range 146 dB

Menu language English, Chinese

Protection class (device) IP20

Power supply 11.1 V

Weight 2160 g

Dimension (L x W x H) 300 x 200 x 58 mm

Other dimensions Sensor cable length: approx. 10 m

Operating conditions 0 ... 50 °C , 10 ... 85 % r.F

Storage conditions 0 ... 50 °C , 10 ... 85 % r.F

Capacity 8100 mAh