# DIGITAL EARTH RESISTANCE METER

## PCE-ET 3000




- **Characteristics:**
- **3 ½ positions LCD display (máx. 1999)**
- **High accuracy**
- **Battery indicator / of range superation**
- **Data Hold**
- **Safety: IEC-11-1 y CAT III 3 V**
- **Very good quality**
- **Components: checking cables: 15 m of red**
- **cable, 1 m of yellow cable, 5 m of green**
- **cable, ground needles, batteries and user**
- **manual.**

This earth tester / earth resistance meter is used to measure lightning-arresters or ground connection lightning-arresters for all kind of buildings. earth tester possesses a hermetic case and fulfils all the VDE 413 safety requirements for the technical service operators. The earth tester is appropriate for measuring ground electrodes, lightning-arresters or little earth resistance systems as well as for measuring power resistance, conductive elements and coupling components.

Modern switching circuits reduce the influences of both pressure and earth resistance of the surrounding earth electrodes. Calibration of the earth tester with the adjoining control mechanism avoids the loss of precision at measuring.

Frequency control of 85 Hz avoids the influence of scattered currents of the net and its harmonic elements. Besides, this tester has a filter incorporated to delete distorted signs. The earth tester is delivered with the factory calibration however it can also have ISO calibration certificate.

## Specification

| AC voltage | |
|---|---|
| Measuring range | 0 ... 200 V |
| Resolution | 0,1 V |
| Accuracy | ±3% + 2 digits |
| Frequency range | 50 ... 60 Hz |
| **Resistance** | |
| Measuring range | 0,01 ... 19,99 Ω |
| Resolution | 0,01 Ω |
| Accuracy | ±2% +2 Digits |
| **Resistance** | |
| Measuring range | 0,01 ... 199,9 Ω |
| Resolution | 0,1 Ω |
| Accuracy | ±2% +2 Digits |
| **Resistance** | |
| Measuring range | 0,01 ... 1999 Ω |
| Resolution | 1 Ω |
| Accuracy | ±2% +2 Digits |

| General technical data | |
|---|---|
| Display Typ | LCD |
| Measuring rate | 4 s |
| Response time | 2,5 s |
| Housing | ABS |
| Test current | 2 mAeff/rms |
| Test frequency | 820 Hz |
| Protection class (device) | IP20 |
| Battery/battery | 6 x 1,5 V AA Battery (1,5V) , Alkali-Manganese |
| Battery capacity | 3000 mAh |
| Operating conditions | 0 ... 50 °C , 0 ... 80 %RH |
| Storage conditions | 0 ... 50 °C , 0 ... 80 %RH |
| Dimensions ( L x W x H ) | 160 x 120 x 65 mm |
| Weight | 560 g |