

Selection Guide

| | T609 | TBM0030 | T2600 | TBM126 | T98 | T2600 | T2312 | T2026 | TBM116 | TBM118 | TBM135 | T223 | TCM02 | T2102 | TBM061 | TBM062 | T8056 | T2138 | T2606 | TBM162 | T2608 | TBM155 | TCM03 | TA300 | T500T | T1000 |
|--------------------|------|---------|-------|--------|------|-------|-------|-------|--------|--------|--------|------|-------|-------|--------|--------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|
| AC Current | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| DC Current | | | | | | | | | | | | | • | • | • | • | • | • | • | • | • | • | | | | |
| AC Voltage | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| DC Voltage | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Resistance | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Frequency | | • | • | • | | | • | • | • | • | • | | • | | • | • | • | • | • | • | • | • | • | | | |
| Capacitance | | • | • | • | | | • | • | • | • | • | | • | | • | • | • | • | • | • | • | • | • | | | |
| Temperature | | | | • | • | | | | | | | | • | | | | | | | | | • | | | • | |
| Power | | | | | | | | | | | | | | | | | | | | | | • | | | | |
| Analogue Bar Graph | | | | | | | | | | | | | • | • | | | | | | | | | | | | |
| True Rms | | | | | | | | • | • | • | • | | | | | • | | | • | • | • | • | | | | |
| Peak Hold | | | | | | | | | | | | | | | • | • | | | | | | | | | | |
| Data Hold | • | | • | • | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| MinMax | | • | | • | | | | | | | | | | | | | | | | | | | | | | |
| Continuity Buzzer | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Auto Null (leads) | | • | | | | | | | | | | | | | | | | | | | | | | | | |
| Leakage Current | | | | | | | | | | | | | | | | | | | | | | | • | | | |
| Max Current (A) | 200 | 600 | 200 | 600 | 1000 | 1000 | 1000 | 1000 | 1000 | 2000 | 1000 | 100 | 200 | 400 | 600 | 600 | 1000 | 1000 | 1000 | 1000 | 2000 | 1000 | 40 | 300 | 600 | 1000 |
| Jaw Size (mm) | 21 | 26 | 12 | 26 | 42 | 60 | 40 | 40 | 45 | 45 | 45 | 125 | 23 | 28 | 30 | 30 | 42 | 40 | 40 | 50 | 57 | 45 | 30 | 34 | 34 | 52 |
| Analogue Display | | | | | | | | | | | | | | | | | | | | | | | | • | • | • |
| Digital Display | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Backlight | | | • | | • | | • | • | | | | | | | | • | | • | • | • | | | | | | |

NEW

T1805 Analogue

- Large display
- Rugged construction
- Taut band movement
- 2 & 3 wire tester



CAT III 300V IEC61010-1

Meter Supplied With Certificate of Conformance



Technical Specification

| | |
|-------------------|--|
| Measuring Ranges | Resistance: 10, 100, 1,000Ω |
| Earth Voltage | 30V AC (5KΩ/V) |
| Measuring System | Resistance: (Constant current inverter 820Hz approx., 2 mA) Voltage: rectifier type 0 - 30 VAC, 40 - 500 Hz |
| Withstand Voltage | 1,500V AC (one minute) |
| Accuracy | |
| Resistance | ±2.5% of full scale |
| Voltage | ±1% of full scale |

Model Specification

| | |
|-----------------|---|
| Accessories | Test Leads, Earth Spikes Carry Strap |
| Dimensions (mm) | 170(L) x 165(W) x 92(H) |
| Power Source | 8 x 1.5V AA Batteries |
| Weight | 1000g |

Test Leads Lengths

| | |
|----------|-----------------|
| Red - | 1,2 & 15 meters |
| Yellow - | 10 meters |
| Green - | 5 meters |



T1820 Digital

- Rugged construction
- Earth voltage detection
- Auto off
- Data Hold
- 2 & 3 Wire Testing



CAT III 300V IEC61010-1

Meter Supplied With Certificate of Conformance



Technical Specification

| | |
|-------------------|--|
| Measuring Ranges | Resistance: 20,200,2kΩ |
| Earth Voltage | 200V AC (40 - 500hz) |
| Measuring System | Earth resistance by constant current inverter, 400Hz, 2mA Approx |
| Withstand Voltage | 1,500V AC (one minute) |
| Accuracy | |
| Resistance | ±2% rdg + 2 Digit |
| Voltage | ±1% rdg + 2 Digit |

Model Specification

| | |
|-----------------|---|
| Accessories | Test Leads, Earth Spikes Carry Strap |
| Dimensions (mm) | 170(L) x 165(W) x 92(H) |
| Power Source | 8 x 1.5V AA Batteries |
| Weight | 1000g |

Test Leads Lengths

| | |
|----------|-----------------|
| Red - | 1,2 & 15 meters |
| Yellow - | 10 meters |
| Green - | 5 meters |

T416 Earth Resistance and Resistivity

- 350 Memory locations
- RS232 interface
- Resistivity

GEOTEST T416 can carry out two and three-wire earth resistance measurements, as well as ground resistivity measurements on which the ground quality evaluation is based. This instrument permits to check both earth resistance of electrical installations and ground resistivity to be normally used when designing the earth installation.

USE

The T416 can be employed both in TT and TN systems for earth resistance measurement of installations as well as resistance of external masses. It can be used to determine the ground resistivity value which is an essential parameter for the designing of an earth installation.

FUNCTIONS

- Two-wire earth resistance measurements (**2 WIRES**).
- Three-wire earth resistance measurements (**3 WIRES**).
- Calculation of earth resistance average value with both two and three wires (**RAVG**).
- Calculation of resistivity average value (**ρAVG**).



| Model Specification | |
|----------------------|--|
| Optional Accessories | Software & USB cable (TOPVIEW) |
| Standard Accessories | Cables & 4 rods Carry case English instruction manual Calibration certificate ISO9000 |
| Dimensions (mm) | 225(L) x 165(W) x 58(H) |
| Power Source | 6 x 1,5 AA Batteries |
| Weight | 800g |

| Test Leads Lengths | |
|--------------------|----------|
| Blue - | 26meters |
| Red - | 13meters |
| Green - | 6meters |
| Black - | 6meters |



Meter Supplied With Calibration Certificate



Optional Accessories: TOPVIEW - C2006 USB Cable and Software

| Technical Specification | | | | |
|---|------------------------------|------------------|-----------------|-----------------|
| Earth Resistance Measurement | | | | |
| Range Re (Ω) | 0.0 - 19.99 | 20.0 - 199.9 | 200 - 1999 | |
| Resolution (Ω) | 0.01 | 0.1 | 1 | |
| Accuracy | ± (2% Reading + 3 digits) | | | |
| Measuring Frequency | 125Hz / 75Hz/41.66Hz ± 1Hz | | | |
| Test Current | ≤ 10mA | | | |
| Open Circuit Voltage | ≤ 30V | | | |
| Wave form of test voltage | Sinusoidal | | | |
| GROUND RESISTIVITY Measurement | | | | |
| Range ρ | 0.6 - 19.99Ωm | 0.125 - 1.256kΩm | 1.25 - 19.99kΩm | 20.0 - 199.9kΩm |
| Resolution | 0.1Ωm | 0.001kΩm | 0.01kΩm | 0.1kΩm |
| Accuracy | ± (2% Reading + 3 digits) | | | |
| Measuring Frequency | 125Hz / 75Hz / 41.66Hz ± 1Hz | | | |
| Test Current | ≤ 10mA | | | |
| Open Circuit Voltage | ≤ 30V | | | |
| Wave form of test voltage | Sinusoidal | | | |
| Measurement of DISTURBANCE voltage | | | | |
| Range (V) | 500 | | | |
| Resolution (V) | 1 | | | |
| Accuracy | ± (2% Reading + 3 digits) | | | |

