

HDT 21010

TRUE RMS

Digital Multimeter

**with Acoustic Socket Guard
(Beep Guard)**

Technical Data

Display	LCD, 5 1/4 digit, 500.000 Digits
Measurement Ranges	
Voltage AC / DC	0.01 mV ... 1000 V
Tolerance AC	± (0.3 % rdg. + 40 Digits)
Tolerance DC	± (0.02 % rdg. + 2 Digits)
Current AC	0.01 µA ... 10 A / 20 A (30 s)
Tolerance	± (5 % rdg. + 50 Digits)
Current DC	0.01 µA ... 10 A / 20 A (30 s)
Tolerance	± (0.1 % rdg. + 20 Digits)
Frequency Range for AC current	50 Hz...10 kHz
AC voltage	20 Hz ... 100 kHz
Resistance	0.01 Ω ... 50 MΩ
Tolerance	± (0.07 % rdg. + 2 Digits)
Frequency	5 Hz ... 200 kHz
Tolerance	± (0.002 % rdg. + 4 Digits)
Capacity	0.01 nF ... 9999 µF
Tolerance	± (0.8 % rdg. + 3 Digits)
Crest factor	5...10
Pollution Degree	2
Measurement Category	CAT III / 1000 V CAT IV / 600 V
Safety complying with	IEC 61010, EN 61010, DIN VDE 0411
Power Supply	9 V, IEC 6LR61
Dimensions	198 x 97 x 55 mm
Weight	approx. 500 g

Key Functions

- Voltage, Current and Resistance measurement
- **Voltage testing with a bandwidth up to 100 kHz also for testing electronic transformers**
- Measurement range for checking of milliamp supplies (4...20mA)
- Capacity and frequency measurement
- Diode and acoustic continuity test (response time < 100µs)
- MIN/MAX-value, peak- and relative-value measurement differential-value (MAX-MIN)
- Thermometer for two probes (Type >K< probe with additional adapter)
- Measures temperature difference

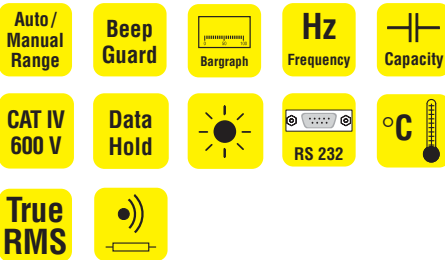
General Information

- Automatic and manual measurement range selection
- Integrated Data Hold
- 5 Amp current measurement range
- High resolution and quick response time
- Bargraph
- Backlight
- Long-term measurement in conjunction with notebook / PC
- Auto power off (switchable)
- Impact and shock-proof due to protective cover

Special Features

- Electrically insulated IR/RS-232 interface (software with adapter available as option)
- **Voltage testing with a bandwidth up to 100 kHz**
- Frequency measurement with Duty Cycle
- 0,02% best basic accuracy
- High resolution with 500.000 digit
- Acoustic warning signal for incorrect socket use, depending on measurement range selected

HIGHEST SAFETY
CAT IV · 600 V



Scope of Supply:

- 1 pc HDT 21010
- 1 pc Protective Rubber Holster
- 2 pc Test Leads
- 1 pc Flexible Wire Probe (0° C...+400° C)
- 1 pc Battery 9 V, IEC 6LR61
- 1 pc Instruction Manual

Accessories:

Software incl. Interface cable	Cat. No. 1246
Carrying Case	Cat. No. 1150
Adapter for Type "K" - Probe	Cat. No. 1298
Safety-Set	Cat. No. 370003

Order Information:

Description	Cat. No.
HDT	21010



Background lightning of LCD