

**METRAHIT** | **ULTRA**   
High Resolution TRMS | System Multimeter

High precision and wireless connection.  
Values measured from a safe distance.



**METRAHIT | ULTRA Features:**

- Extremely high resolution of  $\pm 310,000$  digits and 0.02 % basic accuracy for laboratory applications.  
Digital triple display for important additional information such as acquired minimum/maximum values
- Data memory (2 MByte)  
Storage of up to 300,000 measured values with date and time,  
time controlled (sampling intervals of 0.5 msec to 9 h), dependent on measured values, automatic or manual.  
The automatic storage of measured values after stabilization is patented.
- TRMS value AC and AC+DC  
Waveform independent measurement of RMS value up to 100 KHz
- Auto Range – automatic adaptation of measuring range for optimum resolution
- Activatable 1kHz low-pass filter for filtering voltage peaks
- Measuring functions: V, dB, A,  $\Omega$ , diode, F, Hz, °C/°F (TC, RTD)

With its 22 multimeter functions, the METRAHIT **ULTRA** multimeter is ideally suited for universal use in electrical engineering, especially for industry, service organisations, laboratories and research institutions. The instrument is suitable for field applications and equipped with an internal power supply, making it independent from the mains (2 x 1.5 V mignon batteries).

METRAHIT **ULTRA** Article: M248A

Overvoltage category per IEC 61010-1: CAT III 600 V and CAT IV 300 V	- Protection against transient overvoltage up to 6 kV
Automatic Blocking Sockets „ABS“	- Reduces short circuits, power failures, operating costs, etc.
Rubber holster	- Protection against impacts or dropping, stability in the case of vibrations
DAkkS calibration certificate	- Free of charge
Data acquisition, data processing and remote control via PC	- Via IR interface adapter with MetraWin 10 software <sup>1)</sup>

<sup>1)</sup> optional accessories

METRAHIT **ULTRA BT with Bluetooth interface** <sup>2)</sup> Article: M248B

Direct connection with the Bluetooth interface of a Windows PC
App for data analysis with a smartphone or tablet PC with Android operating system
Data acquisition, data processing and remote control of multimeters via PC with MetraWin 10 software

<sup>2)</sup> Order option - available as from 2<sup>nd</sup> quarter 2013

METRAWIN 10 / METRAHIT - the Windows software Article: GTZ3240000R0001

Online data display at the PC	- analog, digital, graphic and in list form
Offline documentation	- Read out, display and save measured values
Data analysis	- Representation and mathematical functions (zoom, addition, subtraction, ...)



### Standard Equipment:

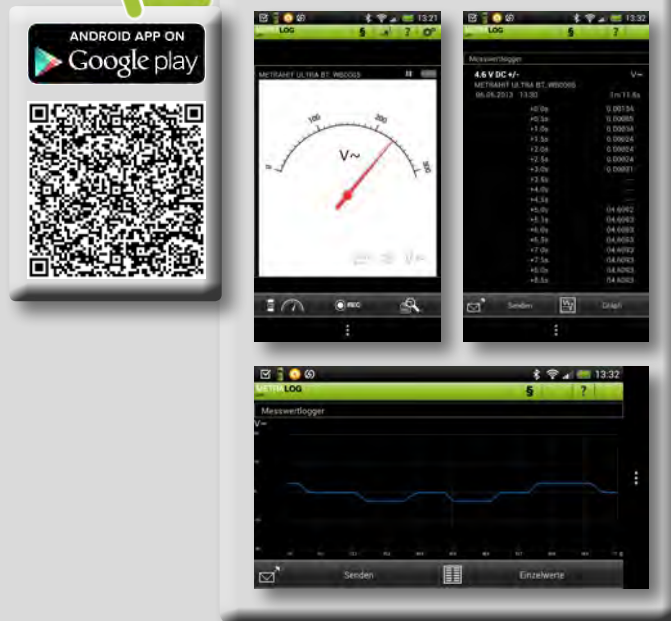
- Multimeter
- KS17-2 cable set
- Batteries, 1.5 V, type AA
- Condensed operating instructions in English/German
- CD-ROM with operating instructions in English and German as well as other available languages)
- DAkkS calibration certificate
- Protective rubber holster

### Optional Accessories:

- DC/AC and AC current sensors as well as AC current transformers
- Bidirectional IR/USB interface adapter
- METRAWIN<sup>®</sup>10 / METRAHIT<sup>®</sup> software
- PT100 / PT1000 temperature sensor
- Power pack adapter
- Carrying pouches and hard cases



### METRALOG APP - measured value logger



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