



60.000  
digits

○○●  
ABS

DKD

IR

GMC-I  **GOSSEN METRAWATT**

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**HIGH RESOLUTION**  
60,000 digits

**METRAHIT** **E-SERIES**  
TRMS SYSTEM MULTIMETER

E-BASE	E-TECH	E-SPECIAL	E-XTRA	Functions
■	■	■	■	Voltage measurement
■	■	■	■	TRMS AC and AC+DC
1kHz	20kHz	20kHz	50kHz	Bandwidth (TRMS)
100kHz	100kHz	100kHz	1MHz	Frequency measurement
■	■	■	■	Current measurement
	■	■	■	Low-pass filter (1 kHz)
	■	■	■	Capacitance measurement
■	■	■	■	IR interface
			■	Data storage (16 Mb)
			■	Mains connection
15	23	21	26	Measuring functions

## E-SERIES

Selecting a digital multimeter from the METRAHIT E series provides you with an ultramodern, top quality measuring instrument – as well as unique precision: With a resolution of 60,000 digits and a basic accuracy level of 0.05%, these instruments offer maximized results reliability. They cover a broad range of demanding measuring tasks thanks to their great variety of functions, and they're distinguished in every day use by an innovative, ergonomic design.

### Features

- Resolution:  $\pm$  60,000 digits, 4 $\frac{1}{2}$ -place
- 3 connector jacks with patented automatic blocking sockets (ABS)
- Furnished with DKD calibration certificate
- System integration with IR interface
- Large illuminated display with 15 mm characters
- TRMS AC/DC function
- Voltage measurement with a basic accuracy of  $\pm$  0.05% (VDC)
- Automatic / manual measuring range selection
- Automatic storage of measured values
- Communication with a PC via METRAwin10 software
- Measuring categories: 1000V CAT III and 600V CAT IV



METRAHIT EBASE



METRAHIT ETech



METRAHIT ESPECIAL



METRAHIT EXTRA



### METRAHIT EBASE

HIGH RESOLUTION  
60,000 digits

- 15 multimeter functions
- Current measurement via current sensor clamps with adjustable transformation ratio from 1 mV:1 mA to 1 mV:1 A

### METRAHIT ETech

HIGH RESOLUTION  
60,000 digits

- 23 multimeter functions
- Adjustable clamp factor for measurement via current sensor clamps and current transformer clamps
- Broad range capacitance measurement

### METRAHIT ESPECIAL

HIGH RESOLUTION  
60,000 digits

- 21 multimeter functions
- Special multimeter for connection to current transformers
- Without fuse link in order to rule out any possibility of interrupting the transformer circuit
- Adjustable transformation ratio with automatic calculation of the current value
- Low-pass filter can be activated in order to eliminate interference signals

### METRAHIT EXTRA

HIGH RESOLUTION  
60,000 digits

- 26 multimeter functions
- Direct current measurement from 10 nA to 10 A, 16 A for short periods
- Temperature measurement with Pt100(0) resistance sensors
- Broad range capacitance measurement
- Frequency and duty cycle measurements at 2 to 5 V signals up to 1 MHz
- Data storage (64,000 measured values)

### Scope of Delivery

- 1 multimeter
- 1 pair of safety measurement cables (1.5 m) with 4 mm test probes, 1000 V CAT III, 600 V CAT IV (KS17-2)
- 2 batteries 1.5 V, type AA
- 1 set of condensed operating instructions, English/German
- 1 CD ROM (multilingual operating instructions, METRA VIEW demo software)
- 1 DKD calibration certificate
- 1 protective rubber cover
- 1 HC20 hard case