

# VOLTCRAFT®

## VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

"Since 1982, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success."

# WBM-460

## THERMAL IMAGE MULTIMETER

CE

VERSION 12/21

N° 1661486

The WBM-460 combines a fully equipped TrueRMS multimeter with an infrared camera. The measurement values of electrical quantities and contactless temperatures can be shown on the display at the same time. This space- and cost-effective combination is ideal for all service jobs and for preventative maintenance.

### FEATURES:

CAT IV 600 V, CAT III 1000 V // True root mean square measurement TrueRMS // 50 Hz infrared camera // Temperature measurement range -20 to +260 °C // 80 x 80 pixel bolometer matrix //

### EQUIPMENT:

Direct and alternating current, AC+DC undulatory current indicator, contactless alternating current measurement with optional split-core type current transformer // Direct and alternating voltage, AC+DC undulatory voltage indicator, impedance, acoustic continuity test, capacity, diode test, frequency, duty cycle, contact temperature with sensor type K // Integrated infrared camera with maximum, minimum and spot measurement function // TFT colour monitor 6.1 cm (2,4") // Bar chart display // Auto power off function (can be deactivated) // Min./max., relative and peak function // Data logger for up to 16 measurement series with trend plot display function (XY display with 1 – 4x zoom) // Data hold // Saving of screen image on microSD memory card // Dynamic battery status display //

### TECHNICAL DATA:

| Multimeter                               |   |
|--|---|
| Counts                                   | 6000                                      |
| Measurement range V/DC                   | 0.1 mV – 1000 V                           |
| Measurement range V/AC                   | 0.001 V – 1000 V                          |
| Basic accuracy                           | ±0.09%                                    |
| Measurement range AAC/DC                 | 0.1 µA – 10.00 A                          |
| Measurement range A/AC (splice core)     | 0.01 – 3000 A (100 mV/A, 10 mV/A, 1 mV/A) |
| Measurement range for impedance          | 0.1 Ω – 60 MΩ                             |
| Measurement range for frequency          | 10 Hz – 10 MHz                            |
| Measurement range for capacity           | 0.01 nF – 6000 µF                         |
| Measurement range for temperature type K | -40 to +1000 °C                           |
| Infrared camera                          |   |
| Thermal sensitivity NETD                 | 0.1 °C/100 mK                             |
| Basic accuracy                           | ±3° or 3%                                 |
| Emission ratio                           | 0.01 – 0.99                               |
| Field of view (FOV)                      | 21° x 21°                                 |
| Detector (FPA), spectral range           | Uncooled microbolometer, 8 – 14 µm        |
| Focus                                    | Fixed focus from 0.5 m                    |



| General            |                                     |
|--------------------|-------------------------------------|
| Protection class   | 2                                   |
| Protection type    | IP65                                |
| Power supply       | 7.4 V Li-ion battery pack, 1500 mAh |
| Safety             | EN61010-1                           |
| Dimensions (HxWxL) | 197 x 57 x 78 mm                    |
| Weight             | 559 g                               |

### PACKAGE CONTENTS:

WBM-460 // Safety measurement cables // Li-ion battery // Charger // Power adapter with folding US-plug // 3 replacement power plugs (EU/GB/AU) // Temperature sensor type K // Adapter plug type K // microSD card (8 GB) // SD card adapter // Strap with magnet // Case // Operating instructions //

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