



## AM-550-EUR



### Product Overview

#### Digital Multimeter TRMS (Industrial)

The Beha-Amprobe AM-500-EUR Digital Multimeter Series, a full line of digital multimeters that offer functions for every application. These tough meters are designed to be a reliable, feature-rich, and rugged solution for taking critical measurements in residential, HVAC, electrical and industrial settings at breakthrough affordability.

#### Functions

- Voltage, current and resistance measurement
- Capacitance and frequency measurement
- Diode and acoustic continuity test

#### Product information

- Automatic and manual range selection
- Integrated measurement memory (data hold)
- Illuminated display
- Relative measurement
- Auto Power Off
- Temperature measurement
- Additional bar graph display (61 segments)
- MIN/MAX hold
- Low pass filter
- Peak value measurement
- Carry case included

#### Product highlights

- True RMS measurement (TRMS)
- Non-contact voltage detection
- Built-in LED flashlight
- Two temperature inputs
- Duty cycle function
- Measurement category CAT IV / 600V, CAT III /1000V

### SPECIFICATIONS

Specifications	Range	Best Accuracy
True-rms	Yes	
AC Voltage	400 mV 4.000 / 40.00 / 400.0 / 750 V	$\pm(1.0 \% \text{ Rdg} + 3 \text{ LSD}) @ 45 \text{ Hz to } 400 \text{ Hz, } 4 \text{ V to } 400 \text{ V ranges}$
DC Voltage	400mV 4.000 / 40.00 / 400.0 / 1000 V	$\pm(0.8 \% \text{ Rdg} + 1 \text{ LSD}) @ 4 \text{ V to } 400 \text{ V ranges}$
Resistance	400.0 Ohms 4.000 / 40.00 / 400.0 kOhms 4.000 / 40.00 MOhms	$\pm(1.0 \% \text{ Rdg} + 2 \text{ LSD}) @ 4 \text{ kOhms to } 400 \text{ kOhms ranges}$
AC Current	400.0 / 4000 $\mu\text{A}$ 40.00 / 400.0 mA 4.000 / 10.00 A	$\pm(1.2 \% \text{ Rdg} + 3 \text{ LSD})$
DC Current	400.0 / 4000 $\mu\text{A}$ 40.00 / 400.0 mA 4.000 / 10.00 A	$\pm(1.0 \% \text{ Rdg} + 2 \text{ LSD})$
Frequency	10 Hz to 10 MHz	$\pm(0.1 \% \text{ Rdg} + 4 \text{ LSD})$
Capacitance	40.00 / 400.0 nF 4.000 / 40.00 / 400.0 / 4000 $\mu\text{F}$	$\pm(3.0 \% \text{ Rdg} + 5 \text{ LSD}) @ 400 \text{ nF to } 40 \mu\text{F ranges}$
Temperature	-40 °F to 1832 °F -40 °C to 1000 °C	°F: $\pm(1.8 \% \text{ rdg} + 6 \text{ °F}) @ >32 \text{ °F to } 212 \text{ °F}$ °C: $\pm(1.2 \% \text{ rdg} + 3 \text{ °C}) @ >0 \text{ °C to } 100 \text{ °C}$
Number of temperature inputs	Single Thermocouple	

For more detailed specifications see instruction manual.

# AM-550

MULTIMETER TYPE

Industrial

## Application:



### Functions

Safety Rating	<b>Safety</b>	CAT IV 600V CAT III 1000V
Measure voltage in noisy environments	<b>True-rms</b>	■
Electrical panels, AC outlets	<b>AC Voltage (V)</b>	1000
DC systems, auto/marine batteries	<b>DC Voltage (V)</b>	1000
AC Current - electrical panels, appliances	<b>AC Current (A)</b>	10
DC Current - electronics, DC motors	<b>DC Current (A)</b>	10
Specified resistance and continuity	<b>Resistance (MOhms)</b>	60
Flame sensors	<b>Micro Amps</b>	■
Diodes in ac to dc converters	<b>Diode test</b>	■
Fuses, light bulbs, wire connections	<b>Continuity</b>	■
Household batteries	<b>Battery test</b>	
Motor startup or run capacitors	<b>Capacitance</b>	■
Frequency verification	<b>Frequency</b>	■
VolTect™ Non-contact voltage detection	<b>Non-contact voltage</b>	■
Electrical load-time on vs. time off	<b>Duty cycle</b>	■
Temp of air vents, fuses, transformers	<b>Temperature inputs</b>	2

### Features

Automatically selects measurement range	<b>Autoranging</b>	■
Manually select measurement range	<b>Manual ranging</b>	■
Voltage on variable frequency drives	<b>Low pass filter</b>	■
Detect stray voltages	<b>Low Z</b>	■
Dimly lit areas	<b>Built-in flashlight</b>	■

### Display

Meter resolution	<b>LCD Counts</b>	6,000
Dimly lit areas	<b>Backlight</b>	■
Monitoring fast changing signals	<b>Bar graph</b>	■
Two relative measurements on one screen	<b>Dual display</b>	■

### Events

Data memory	<b>Data hold</b>	■
Difference between two measurements	<b>Relative reading</b>	■
Max/min peak measurement	<b>Max/min hold</b>	■
Specialized signal measurements	<b>Peak hold (crest)</b>	■