



2100-Beta Two Pole Voltage Tester

The BEHA-Amprobe 2100-Beta is a rugged, easy-to-use two pole voltage tester for voltage and continuity checks. Built tough for use in industrial and commercial environments, the 2100-Beta measures voltage range up to 690V ac/dc and is safety rated to CAT IV 600 V / CAT III 690 V. It is built according to latest voltage tester standard EN 61243-3:2010 and is GS approved.

The 2100-Beta offers voltage test by LED, phase rotation test, switchable load by two push buttons, single pole phase test and continuity. The 2100-Beta also offers a torch function for working in dark environments and has an ingress protection rating of IP 64. The voltage tester 2100-Beta offers dual display for voltage test with an LED and LCD display.



- Voltage Test
 - Display by LEDs 12...690 V ac/dc
 - Display by LCD display 12...690 V ac/dc
- Automatic ac/dc voltage detection, indication of polarity
- Audible indication when detected voltages above 50 VAC and 120 VDC
- Two pole phase rotation indication
- Switchable load of 140 W with two push buttons
- Test of 30 mA RCD by push buttons
- Single pole test for phase polarity
- Continuity test with visual (LED) and audio indication
- Work light for dark environment
- IP 64 splash and dust proof
- Protective probe caps for reducing the risk of injury
- Quick single hand test on mains socket with 19 mm contact distance
- GS approved, built according to EN 61234-3:2010
- Safety rated CAT IV 600 V, CAT III 690 V

2100-BETA SPECIFICATIONS

Feature	2100-Beta
Voltage test (ac/dc)	12, 24, 50, 120, 230, 400, 690 V
Frequency	16 2/3 Hz to 70 Hz
Continuity	0 Ω to 500 kΩ
Phase rotation indication	330 V to 450 V AC (47 Hz to 63 Hz)
Single pole phase test	100 V to 690 V AC (40 Hz to 70 Hz)
Switchable load	140 W at 690 V
Voltage detection	Automatic
Polarity detection	Full range
RDC trip (30 mA)	Yes
Work light	Yes
Accessories	Users manual, GS 38 caps , batteries (installed)

For more detailed specifications see users manual.

2100-BETA DETAILED SPECIFICATIONS

Specifications	2100-Beta
Display	LED and LCD
LED voltage range	12 V...690 V ac/dc
LED indicator	±12, ±24, 50, 120, 230, 400, 690 V
Tolerances LEDs	As in EN 61243-3:2010
LCD voltage range	12 V...690V ac/dc
LCD display resolution	1 V
Tolerances of LCD display	± (3% rdg + 3 LSD)
Frequency range	DC, 16 2/3 Hz to 70 Hz
Acoustic indication	>50 V ac, >120 V dc; 50 Hz sound pattern
Voltage detection	Automatic
Polarity detection	Full range
Range detection	Automatic
Response time	LED < 0.1 s, LCD < 1 s
Automatic load (RCD)	Yes
Internal load	Approximately 2.4 W at 690 V (load buttons not pressed)
Current Is	<3.5 mA at 690 V (load buttons not pressed)
Connectable load	Approximately 140 W at 690 V
Test current connectable load	<200 mA
Operation time (DT)	30 s
Recovery time	240 s
Automatic power on	LEDs: >12 V (press load buttons) >24 V (w/o load buttons) LCD: >12 V

Single Pole Phase Test

Voltage range	100 V to 690 V against Earth
Frequency range	40 Hz to 70 Hz

Continuity Test

Range	0 to 500 kΩ
Tolerance	0% to +50% (as in 61243-3:2010)
Test current	<5μA
Overvoltage protection	690V ac/dc

Rotary Field Detection

Voltage range	330 to 450 V against Earth
Frequency range	47 HZ to 63 Hz

General Specifications

Operating storage temperature	-15°C to +55°C, max. 95% RH
Operating altitude	Up to 2000 m
Measurement category	CAT IV 600V, CAT III 690V
Pollution degree	2
IP protection	IP 64
Safety regulations	EN 61243-3:2010
Agency approval	GS from TÜV Rheinland, CE
Power supply	2x 1.5V (AAA/ IEC LR03)
Battery lifetime	Over 10000 measurements (<5 s / per measurement)
Dimensions (HxWxD)	Approximately 280 x 78 x 35 mm (11.0 x 3.1 x 1.4 in)
Weight	Approximately 320 g (0.71 lb)

For complete specifications please download the product datasheet and the users manual on www.Amprobe.eu.

Amprobe® Europe

In den Engematten 14,
79286 Glotttetal, Germany
Tel.: +49 (0) 7684 8009 - 0