

VOLTCRAFT – TOP PERFORMANCE IN EVERY WAY

For more than 40 years, 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.

VC STK-3000 MULTIFUNCTION LOOP PROCESS CALIBRATOR



Item no. 2389433

The product is a high-performance, high-accuracy, handheld, multifunctional loop calibrator, which can be used in loop calibration and repair. It can output and measure direct current and voltage with a high accuracy of 0.02%.

FEATURES

DC Voltage // DC millivolt // DC Current // Loop current // Frequency // Pulse // Continuity

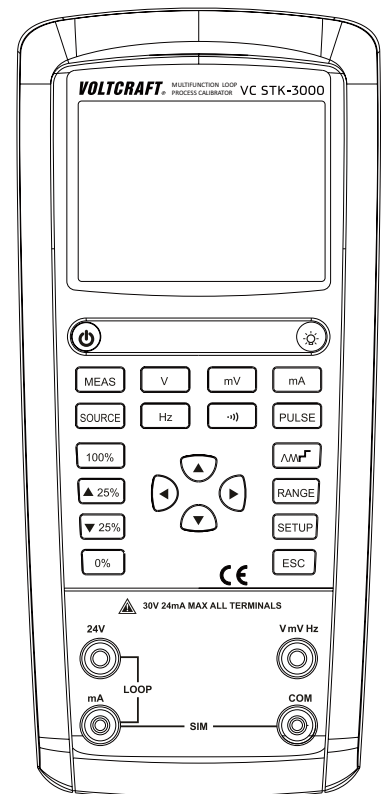
TECHNICAL DATA

The maximum voltage between the terminal and earth line, or any two terminals is 30 V.

Power supply	6x Ni-MH AA-sized battery
Range selection	manually
Operating temperature	-10 to +55 °C
Storage temperature	-20 to +70 °C
Relative humidity	≤90 % (0 to +30 °C) ≤75 % (+30 to +40 °C) ≤50 % (+40 to +50 °C)
Operating altitude	0 – 2000 m
Dimensions (W x H x D)	104 x 224 x 63 mm
Weight	approx. 650 g (Including batteries)

a) Input indicator

Indicator	Range	Resolution	Accuracy
DC Voltage	200 mV	0.01 mV	±(0.02%+ 5)
	30 V	1 mV	±(0.02%+2)
DC current	24 mA	0.001 mA	±(0.02%+2)
	24 mA (LOOP)	0.001 mA	±(0.02%+2)



Frequency	100 Hz	0.001 Hz	$\pm(0.01\%+1)$
	1000 Hz	0.01 Hz	$\pm(0.01\%+1)$
	10 kHz	0.1 Hz	$\pm(0.01\%+1)$
	100 kHz	1 Hz	$\pm(0.01\%+1)$
Continuity detection	500 Ω	1 Ω	$\leq 250 \Omega$ It beeps

b) Output indicator

Indicator	Range	Resolution	Accuracy
DC Voltage	100 mV	0.01 mV	$\pm(0.02\% + 10)$
	1000 mV	0.1 mV	$\pm(0.02\% + 10)$
	10 V	0.001 V	$\pm(0.02\% + 10)$
DC current	20 mA @ 0 - 24 mA	0.001 mA	$\pm(0.02\%+2)$
	20 mA (SIM) @ 0 - 24 mA	0.001 mA	$\pm(0.02\%+2)$
Frequency	200 Hz	0.01 Hz	$\pm(0.01\%+1)$
	2000 Hz	0.1 Hz	$\pm(0.01\%+1)$
	20 kHz	1 Hz	$\pm(0.01\%+1)$
Pulse	1-100 Hz	1 cyc	
	1-1000 Hz	1 cyc	
	1-10000 Hz	1 cyc	
Loop power supply	24 V		$\pm 10\%$

EQUIPMENT

Rechargeable Ni-MH batteries // Step/slope functions // Source and measure accuracy up to 0.02% // Output "Percentage" // Battery power indicator // Adjustable brightness // Auto power off (time adjustable) // Remote control // Stores system settings // 24 V loop power supply

PACKAGE CONTENTS

Calibrator // 6x Ni-MH AA batteries // Test leads (1 pair) // Alligator clips (1 pair) // AC/DC Adaptor // USB cable // Carrying bag // Operating instructions