

INMEL 1000 CALIBRATOR

**PORTABLE SOURCE OF
DC /AC
VOLTAGE AND CURRENT**



PARAMETERS:

- voltage ranges from 0.2 V up to 1000 V,
- current ranges from 20mA up to 20 A,
- frequency ranges from 40 Hz up to 5000 Hz,
- DC voltage and current accuracy 0.02%,
- AC voltage and current accuracy 0.05%,
- load capacity up to 40 VA,
- interface RS 232, USB.

APPLICATION:

Checking and calibration:

- AC and DC voltmeters,
- AC and DC ammeters,
- industrial frequency meters,
- measuring transducers.

INMEL 1000 - TECHNICAL PARAMETERS

RANGE	SETTING MAX.	FREQUENCY	RESOLUTION	LOAD CAPACITY	DC/AC ACCURACY ¹⁾ ± (%S + %R)
200mA DC	210mV	0	1μV	200mA	0.02% + 0.004%
2V DC	2.1V	0	10μV	2A	0.02% + 0.004%
20V DC	21V	0	0.1mV	2A	0.02% + 0.004%
200V DC	210V	0	1mV	200mA	0.02% + 0.004%
1000V DC	1050V	0	10mV	40mA	0.02% + 0.004%
20mA DC	21mA	0	0.1μA	8V	0.03% + 0.005%
200mA DC	210mA	0	1μA	8V	0.03% + 0.005%
2A DC	2.1A	0	10μA	8V	0.03% + 0.005%
20A DC	21A	0	0.1mA	2V	0.03% + 0.005%
200mV AC	210mV	50	1μV	200 mA	0.05% + 0.01% + 0.05mV
200mV AC	210mV	>500	1μV	200mA	0.1% + 0.02% + 0.1mV
2V AC	2.1V	50	10μV	2 A	0.05% + 0.01% + 0.00005V
2V AC	2.1V	>500	10μV	2 A	0.1% + 0.02% + 0.0001V
20V AC	21V	50	0.1mV	2 A	0.05% + 0.01%
20V AC	21V	>500	0.1mV	2A	0.1% + 0.01%
200V AC	210V	50	1mV	200 mA	0.05% + 0.01%
200V AC	210V	>500	1mV	200 mA	0.1% + 0.02%
1000V AC	1050V	50	10mV	40 mA	0.05% + 0.01%
1000V AC	1050V	>500	10mV	40 mA	0.1% + 0.02%
20mA AC	21mA	50	0.1μA	8V	0.05% + 0.01% + 0.002mA
20mA AC	21mA	>500	0.1μA	8V	0.1% + 0.02% + 0.004mA
200mA AC	210mA	50	1μA	8V	0.05% + 0.01%
200mA AC	210mA	>500	1μA	8V	0.1% + 0.02%
2A AC	2.1A	50	10μA	8V	0.05% + 0.01%
2A AC	2.1A	>500	10μA	8V	0.1% + 0.02%
20A AC	21A	50	0.1mA	2V	0.05% + 0.01%
20A AC*	21A	>500	0.1mA	2V	0.1% + 0.02%

* for frequency up to 1000 Hz

¹⁾ during 12 months after the calibration, at temperature of $23 \pm 2^\circ\text{C}$, after 30 minutes of warming up

R - range value, S - setting value

GENERAL TECHNICAL DATA

POWER SUPPLY:	230V ± 10%, 115 V ± 10 %, 50 / 60 Hz
POWER CONSUMPTION:	200 VA max.
AMBIENT TEMPERATURE:	23 °C ± 5°C
RELATIVE HUMIDITY:	20 %...80 %
DIMENSIONS:	364 mm x 147 mm x 413 mm
WEIGHT:	17 kg
WARMING UP TIME:	30 min