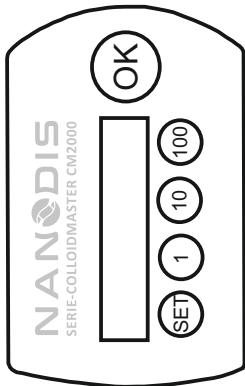




Serie COLLOIDMASTER
Universal Kolloidgenerator
CM2000



MADE IN GERMANY

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Intended Use

The CM2000 is used to produce dispersions by electrolysis with water and metal electrodes. Depending on the electrode metal used, produce appropriate dispersions. Only use metals with at least 99.95% purity and preferably double distilled Water. Do not use any solvents or liquids containing alcohol.

Function of the CM2000

Your CM2000 runs a self-test before each use through. The concentration is calculated according to the 1st Faraday law of electrolysis.

Your CM2000 works with CMT and true-ppm - Technology.

NOTE: Colloid generators can basically no possibly existing colloid concentrations, e.g. in a purchased dispersion.

At the electrodes is after starting the CM2000 a voltage of approx. 50 V DC on. This is unsafe for the human body. Dangerous but can in contact with moist skin produce a startle reaction.

colloids

Due to the voltage and current flow through it water, colloids (particles) detach from the metal electrodes off. The colloids have different

Average sizes from 1 - >100nm. The colloids are electrically charged, collide mutually and thus float in the water. A fresh The dispersion produced should always be filtered off. A coffee filter or kitchen paper is sufficient for this. paper towel off.

durability

Manufactured dispersions are usually 6 months and longer usable. In the course of the storage time, a form sediment. Just filter this out. The dispersion can then continue to be used.

preparation

For the successful production of dispersions, acidic more material necessary. Clean your vessel and rub your electrodes with a paper towel away.

Fill your vessel with double-distilled water (room temperature). You don't need the water beforehand boil.

NOTE : Especially with homemade water (Osmosis system or distillation) it may happen error message

"DENDRITES! SWITCHING TIME SHORTER".

Shorten the switching time or please use test bought water.

Make settings see page 2

Your CM2000 is configured with basic settings (see right). delivers.

You can adopt these (experience) values or change.

Changed values are automatically saved and the next time you use your CM2000 automatically table called.

conductivity

After each start, your CM2000 measures the conductivity of the water and shows you this in μS .

Tip: Especially for the production of colloidal gold Water with high conductivity required.

Note: The principle of measuring the conductivity of your CM2000 deviates from normal conductivity meters away.

For a specific measurement of the conductivity use please copper or gold electrodes.

The conductivity of the water influences the production speed, but not the concentration.

Protection against dendrites

Your CM2000 is equipped with a protection function against dendrites equipped.

These are caused by the formation of electrode sludge. If dendrites have formed, your CM2000 switches automatically into PAUSE mode.

Then clean the electrodes with kitchen paper paper towel, then insert the electrodes into the Water back and press the OK button.

Production continues automatically.

A NOTICE

When production starts, your CM2000 shows you the error message "DENDRITES !.....", the conductivity of your water is too high. Please use a different water.

Modulation of the electrode current

A specially developed by COLLOIDMASTER/NANODIS your CM2000 with frequencies or audio signals and their dispersion with these be informed by these signals. Optional is from NANODIS the frequency generator CM WAVE, or that Connection module CM CONNECT available.

In the CM WAVE are healing frequencies according to RIFE, BECK, CLARK, among others, and can be used with the CM2000 be used. With the CM CONNECT you can Your own audio source, e.g. Use MP3 player.

For information on effectiveness, please refer to the Internet. Keyword "Inform water, energize water"

Alternative energy supply

You can also connect your CM2000 via the USB port connected to a (solar) power bank.

Basicsettings for a new device

Silber Ag

Volumen: 250ml
Konzentration: 25ppm
Strom: 10mA
Umschaltung: 10 Sek

Germanium Ge

Volumen: 250ml
Konzentration: 30ppm
Strom: 50mA
Umschaltung: 120 Sek

Kupfer Cu

Volumen: 250ml
Konzentration: 20ppm
Strom: 10mA
Umschaltung: 60 Sek

Zink Zn

Volumen: 250ml
Konzentration: 20ppm
Strom: 50mA
Umschaltung: 120 Sek

Magnesium Mg

Volumen: 250ml
Konzentration: 100ppm
Strom: 20mA
Umschaltung: 60 Sek

Gold Au

Volumen: 250ml
Konzentration: 20ppm
Strom: 30mA
Umschaltung: 60 Sek

You can find production tips here of colloidal dispersions !

HANDBUCH DER KOLLOIDALEMETALLE
von Ralf Kuhn
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Chrom Cr

Volumen: 250ml
Konzentration: 10ppm
Strom: 50mA
Umschaltung: 120 Sek

Eisen Fe

Volumen: 250ml
Konzentration: 10ppm
Strom: 30mA
Umschaltung: 120 Sek

Silizium Si

Volumen: 250ml
Konzentration: 20ppm
Strom: 5mA Maximal
Umschaltung: 120 Sek

Keep the device away from

children -

Risk of injury !

Water recommendation

Depending on the electrode metal, it may be advantageous to use water with higher conductivity. Silver and magnesium e.g. when in contact with water conductive ions and make the water go away made of conductive. Gold and copper do not. here conductive water is recommended, e.g. "ION+" or "Gold base water" is a dispersion with several ppm to produce promptly (not to be used with silver electrodes). Medically pure water (for infusion ions or eye drops) is extreme because of its low conductivity not recommended. To make colloidal silver, use please use distilled or double-distilled water or also osmosis water, with a conductivity up to 10 μS .

TDS meter

With a TDS meter, colloid concentrations cannot functions can be measured.

Technical specifications

Power supply.....	100-240V 50/60Hz max. 12W
CM2000.....	5V max 5W
Electrode voltage.....	15-50 volts
Electrode current.....	5-50mA
Electrode diameter (without adapter).....	2mm
amount of water.....	0.1-0.99L
switching time.....	0 sec- 10 hrs

DECLARATION OF CONFORMITY

We NANODIS GMBH & Co. KG

Address Gewerbegebiet am betonwerk 35
D-18356 Barth, MV

declare under our sole responsibility that the product with the label

CM2000

conforms to the following standards and regulations

EMC Directive 2004/108/EG
EN61000-6-3: 2007
EN61000-6-1: 2007

The device was designed according to the RoHS directives 2001/65/EU manufactured.



Manufacturer Ralf Kuhn, Managing Director

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