

INSTRUCTION MANUAL

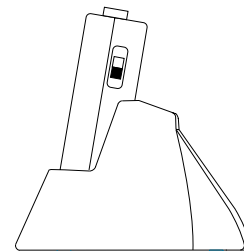
Designation	recharging Kit for CO Metre® Pro (ref CO9917)
Reference	9927

RECHARGING KIT FOR CO MEASURES PRO**Composition :**

This kit is dedicated to the CO Metre® Pro MODEL 9917 exclusively.

This Kit includes the following elements:

- A power supply (230V, 50Hz)
- A desk top socket charger
- A cigarette lighter charger.
- Six rechargeable batteries NiMH 1.2V, AAA standard (capacity 600 mA/h minimum).

**Characteristics:**

The charging time is from 1.2h to 2 hours

These chargers allow a complete and fast charge, for the desktop version as well as for the cigarette lighter.

With the supplied batteries, the autonomy is about 35 hours. Batteries allow 500 cycles of fast charge without major change (60 % of the nominal capacity according to IEC 285/1993 4.4.1)

Functioning :

Plug the cigarette lighter charger on the back of the CO Metre® Pro.

The CO Metre® Pro fits in desktop charger socket with the LCD screen on the visible side.

Your CO Metre® Pro indicates that batteries are in fast charge when the LED of the visual alarm is turned red.

The LED allows you to check the good state of the charger's contacts.

When the fast charge is over, this LED turns green.

The end of the fast charge is determined by the batteries voltage control. Battery voltage increases in an almost continuous way during the charge (at constant current) but the end of cycle is characterized by a slight decline of this voltage.

By monitoring this slight voltage decline, it ends the fast charge to avoid overheating and deterioration of batteries.

Rechargeable batteries Replacement :

At the end of life of rechargeable batteries (visible by a shorter autonomy), you can replace those by other NiMH batteries. Cadmium Nickel Batteries will not give you a sufficient autonomy and their life duration would be short (memory effect).

We advise you to order NiMH batteries specially selected (capacity superior to 600 mA / h, High charge rate) to your CO Metre® Pro dealer.

Precautions

Never connect the CO Metre® Pro to the charger if batteries are not present. (RISKED OF DESTRUCTION AND EXPLOSION).

Never try to charge a CO Metre® Pro equipped with non-rechargeable batteries. (RISK OF DESTRUCTION AND EXPLOSION).

Never mix non-rechargeable batteries with rechargeable batteries in the CO Metre® Pro battery compartment.

Never mix charged batteries and unloaded batteries together in the CO Metre® Pro battery compartment.

Always charge 6 batteries together in the CO Metre® Pro battery compartment with the chargers of the charger kit.

Always charge the batteries between 10°C and 40°C

It is recommended to switch off the CO Metre® Pro during battery charging, If you don't do it, the device will turn himself in sleeping mode during the charging and will wake up again after disconnection of the charger.

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It is recommended to avoid continuing to charge beyond 2 hours, batteries are subjected to a small current of load but however useless (except for worn batteries).

If your batteries warm it is that they are completely charged (the energy of the charger is not stored anymore, it is transformed into calories):

- Batteries begin to get characteristics preventing the management of the end of load by the electronic control.
- Or you have disconnected your device from the charger following a complete charge and returned it back on charge. The current of charge is maximum during the first 3 minutes (control of the end of charge deactivated). Batteries can then warm pointlessly, even to be damaged in a permanent way.

Batteries are designed to subtend more than 500 charge if respecting the conditions of charge.

Do not try to use another type of charger with the CO Metre® Pro 9917: (RISK OF DESTRUCTION AND EXPLOSION OF CONSTITUENTS).

Despite appearances, the CO Metre® Pro is not compatible with GSM telephone chargers. There is even a risk of deterioration.

The cigarette lighter charger for the CO Metre® Pro 9917 should never be to use to reload a GSM telephone it would damage it.

Particular precautions for batteries

Charge and Discharge

Always to charge batteries the first time you use them even though those that are delivered charged.

Never short-circuit or invert the polarity of batteries in the battery compartment.

Do not employ batteries of different types in the battery compartment.

If batteries were profoundly discharged, a prolonged time of charge is necessary to reach their full capacity

Storage

Always stock batteries in a cool and dry place.

After a long storage, for example more than a year, it is recommended to charge and to discharge batteries 3 times to restore their full capacity

Treatment of batteries

Do not burn and do not unsettle batteries. The constituents of cell are corrosive and can be dangerous for the skin and the eyes.

Do not mechanically stress batteries in excessive manor, it can damage welds or other internal connections.

Do not throw away dead batteries in trashcan, bring them in a place equipped for the recycling of batteries.

Guarantee

The terms of the guarantee are similar to those of the CO Metre® Pro 9917.