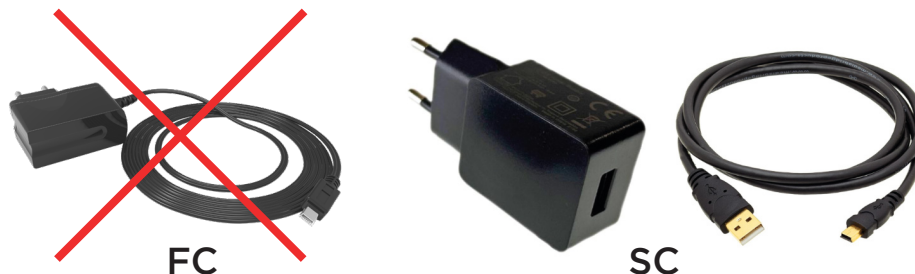


## New power supply with separate data cable

From 1st. September , 2023, Risycors will be delivered with a new power supply with a separate data cable. With this data cable, Risycor can also be connected to a PC for reading out the data.



### Loose or fixed cable?

Resus recommends reading out a Risycor at least once a year and thought that “everyone has a cable like this lying around somewhere”. Since the USB-A cable connection does not have any strain relief, we opted for a fixed cable (FC, or fixed cable). That turned out to be the wrong choice.

In addition, in a few cases we found that the power supply was defective and therefore had to be replaced. In order to differentiate between the previously delivered and the “new” one, we decided to switch to a power supply with a separate cable (SC, or Separate Cable).

### Defective power supply?

We found that the previous mini-USB power supply (with a fixed cable) was generating too many voltage spikes over time due to a faulty capacitor.

The Risycor then behaves as follows:

- X2: all LEDs are off
- CX: Instead of showing the actual corrosion rate and interval temperature, these Risycors suddenly start showing spurious data at a seemingly random moment
  1. a constant interval temperature and corrosion rate  
*or*
  2. an incorrect interval temperature of 0°C  
*or*
  3. possibly other incorrect behavior we don't yet know

Whether the behavior of the CX with a faulty power supply is related to a lot of power ons (black circles in the graphic). LEDs can also simply remain green despite abnormal behaviour. So do not draw any conclusions from the LED status.

### In case of doubt

- Read out the Risycor data (see TT06) and send the .csv file to [info@resus.eu](mailto:info@resus.eu). We will contact you as soon as possible.
- Such power supplies and cables can also be found conveniently, quickly and cheaply in regular stores.
- If you need help on site, you are welcome to order a RISYCHK (see TT41).