

S-Image

System Recovery using SD card

CyberScan 6000 Series

About S-Image Software

S-Image is a system image re-installation software pre-installed in all CyberScan 6000 series meters. It works in tandem with a system recovery SD card, which is included along with your meter. This SD card contains the exact copy of your system software, allowing S-Image to restore your system within minutes in the event of a major system failure.

When is S-Image Recovery Applicable?

Improper shutdowns, power spikes and leakages in the flash cell can lead to software system failures. During such failures, your meter may sound a beep upon start-up without its screen lighting up.

Usually, meters with software system failures have to be sent back to the supplier for system software reloading. With S-Image and the recovery SD card, users can instantly restore their meter systems from failure on their own.

After a system recovery, all factory calibrated values are retained and parameters settings are reset to factory default values. Therefore, restoration of system image does not affect the meter's performance.

Note:

This recovery process is only applicable to software **rel 1.53, rel 1.63** and above.

System Recovery Procedure

1. Turn off the meter power supply.
2. Turn the meter upside down. There is a sticker on the meter's back (figure 1):



Figure 1: Sticker on the meter's back

3. Remove the sticker to reveal a slide switch (figure 2):



Figure 2: Slide switch beneath the sticker

ON: SD card programming mode.

OFF: Normal mode.

The default state of switch is OFF(Normal)

- To activate SD card recovery mode, slide the switch to **ON** mode (figure 3):



Figure 3: Slide switch to “ON” mode

- Turn the meter back up and insert the supplied recovery SD card (face down) into the SD card slot. **The SD card should carry the same serial number as your meter.** Ensure that the SD card is properly inserted (figure 4):



Figure 4: Insert SD card into the meter

- Power on the meter, then press the start button (figure 5):

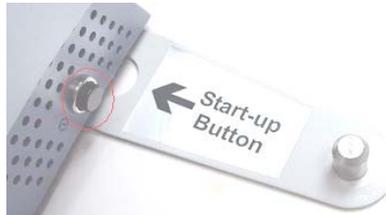


Figure 5: Press the start-up button to switch the meter on

The meter will start-up in SD card recovery mode, and the S-Image software will launch automatically. The recovery process will begin, indicated by two distinct, consecutive beeps. Following that, a single beep at fixed intervals indicates that the recovery process is ongoing.

Two distinct, consecutive beeps mark the end of the recovery process (the recovery process takes approximately 2 minutes to complete).

- Shut down and power off the meter. Then remove the SD card and slide the back switch to **OFF** mode (figure 5):



Figure 5: Slide switch to “OFF” mode after recovery process

- Re-attach the sticker (switch cover) over the switch panel from where it was removed to prevent accidental switching to the wrong operation mode.
- Power on and restart the meter per normal operation.

Note:

User data stored in the meter will be lost after system recovery. Setup data and user calibrations data that has been backed up using the CyberComm Data Acquisition Software can be restored to the meter after system recovery.