

Scan Rate: This is the scroll time for the display pages. Select a time interval between 5 sec to 30 sec. This time interval is effective only if the “idle time” is enabled and the selected time is between 1 to 10 min

LCD:

Brightness: Select level between 0 and 6. 0 is the lowest brightness and 6 is for the highest possible brightness

Screensaver: To prolong the life of the LCD display, it is suggested to set the display turn-off time to 1, 10, 20, 30, 40, 50 or 60 minutes after the last time the user operates the recorder. ***Screensaver default time is set to 10minutes from the factory.*** The recorder continues to record data while it is in screen saving mode. The display turns on again by touching the LCD screen


Storage: Select internal flash memory or SD card

Custom page: User can use this setting to enable or disable custom pages downloaded via Ethernet.

Allow download via Ethernet: Enable/disable

4.7 Security

4.7.1 Normal

Path:  (Menu)-More-Config-select Instrument, then press “Enter”

Select “Security” = Normal

If normal security is selected, users will need to key in a common password with a maximum of 18 characters. Once the password has been entered, the user needs to key in the password whenever **Config**, **Dump**, **Clear** or **Operate** soft keys are required. These keys enable the user to do configuration, dump data, clear data or manually operate the job. For easy access **Config**, **Dump**, **Clear** or **Operate** soft keys, the user may ignore the password by leaving the password field blank. If a password is not entered initially, there is no password required.

How to enter simple password

 (Menu)-More-Config, select Password, press “Enter”, then key-in the password

4.7.2 CFR-21

If the higher security CFR-21 is selected, it requires the recorder to operate with more restricted rules which comply with **FDA 21 CFR Part 11**

It has time limit during operation. If the user does not press any keys in a predefined period of time (which can be selected between 1 to 20 minutes using LogOut function), the user needs to key in the password again. It also offers an audit trail function to record the user, the timing, and what type work the user was doing on the recorder. Incorrect password and unauthorized operation will be recorded into the event list as well. The maximum number of users available in FDA 21 CFR Part 11 Security Mode is 30.

In  (Menu)-More-Config-Select **Instrument**, press “Enter” soft button.

Select Security = CFR-21.

Security Mode: CFR-21

- Logout: Disable
- Password validity: Unlimited
- Security Level of Functions
 - Login From PC: 9
 - Dump: 9
 - Clear: 9
 - Operate: 9
 - Config: 9
 - Pause: 9
 - ShutDown: 9

LogOut: Time selection available from 1 min. to 20 min. This selection is visible only if CFR-21 is selected

If no user operates the Paperless Recorder for the above set duration, the current user will be logged out automatically

Password validity:

Password validity can be set for 30, 60 or 90 days. After the preset amount of days, it will require the user to key in a new password, or keep the old one for an additional 30, 60 or 90 days.

Security levels:

0 to 9 levels are supported

9 is the highest authority level, 0 is the lowest