

MAINTENANCE

Treat the CI-600 Soil Profile and Root Growth Monitoring System as you would an optical instrument. Keep the scanner head and the inside of the soil tube clean and free from scratches and dirt. Use only a mild detergent and a damp cloth to clean. Do not submerge or use an overly wet cloth. Do not drop.

TAKING CARE OF THE COMPUTER

- **Read the computer manual for caring and cleaning your computer. The computer supplied with the CI-600 is an integrated component. The introduction of unrelated software program is not recommended and may void warranty.**
- **Important: Never leave the CI-600 in the soil or calibration tubes, as this will cause flattening of the rollers, causing poor performance and imaging.**
- Although the instrument can operate while in motion, avoid any unnecessary movement or subject the instrument to drastic shock. Due to the lightweight design, the CI-600 represents features that are sensitive to the given precautions.
- Do not allow water or excessive moisture to get into the instrument. The CI-600 can measure air with high humidity, but it is highly recommended to avoid such circumstances. In addition, if used in the field environment, please avoid extremely dusty conditions.
- Operate the instrument using ideal temperature settings. Manufacturer testing shows that operating the CI-600 under extreme temperatures (below 5°C or above 45°C) will affect its performance.
- When not in use, store the instrument in a cool and dry location. Preferably, place the CI-600 back in the carrying case in an ambient or reasonably cool room.
- Do not open or break the seal on the instrument. Under any conditions that require attention internally, immediately contact the nearest representative or manufacturer to assist you.

CLEANING

To keep your CI-600 and laptop computer clean, wipe the exterior case and LCD with a slightly damp cloth. A mild detergent may be used if necessary. Do not use solvents of any kind. Clean the lens with a soft, non-abrasive cloth, using a small amount of commercial lens cleaning fluid if necessary.

WARNING: Keep liquid, including cleaning fluid, out of the computer's keyboard, speaker grill, and other openings. Never spray cleaner directly onto the computer. Never use harsh or caustic chemical products to clean the CI-600 or the computer.

MOVING THE COMPUTER

- Before moving your computer, even across the room:

- Make sure all disk activity has ended (the disk light is off).
- If a diskette/CD is in the PC Card FDD, remove it, and disconnect the PC Card FDD.
- Shut down the Windows software and turn the computer off.
- Disconnect the power cord.
- Close all port covers.

Note: *Do not pick up the computer by its display panel or by the back (where the ports are located).*

For long trips, transport the CI-600 and its computer in the carrying case/bag.

PROTECTING THE CI-600

- Place the computer on a flat surface.
- To keep your computer in prime operating condition, make sure your work area is free from:
 - Dust and moisture.
 - Liquids and corrosive chemicals.
 - Equipment that generates a strong electromagnetic field, such as stereo speakers (other than speakers you have connected to the computer) or speakerphones.
 - Rapid changes in temperature or humidity and sources of temperature changes such as air conditioner vents of heats.
 - Extreme heat, cold or humidity.

USING THE BATTERY

Please read the section(s) about using battery and preserving battery power in the computer manual carefully.

USING THE CI-600B BATTERY PACK

The CI-600B Battery Pack contains a lead-acid battery. A NI-MH Battery Pack is also available.

- 8 hours are needed to charge the battery. You do not need to discharge the battery before recharging.

IMPORTANT: *Be sure to charge the battery every day when using it. Never let the battery power run completely out, doing so may damage the battery.*