

# SVC

## LC-RP PRO

### LEAF CLIP & CONTACT PROBE IN ONE

In-situ leaf reflectance measurements or direct contact measurements of soil and other natural or man-made materials can be quickly acquired using the LC-RP PRO. The LC-RP PRO head incorporates a rapid-switching white reference and black disk leaf clip, illumination lamp, fiber optic adapters and full remote control of the spectroradiometer to initiate reference and target scans. This allows the operator to focus on target selection and probe alignment rather than viewing a PDA, computer screen or keyboard.

The internal stabilized light and power supply provide an even, reliable illumination source at selectable levels, ensuring consistent and properly directed full-range energy to the reference disk and samples. The power is delivered directly by an SVC i-Series instrument or an optional light weight battery pack.

#### Features:

- Single handed operation
- Push button actuation
- Reference/Target control
- Lamp on/off switch
- Lamp level control
- Locking spring clip
- Cleanable/replaceable Spectralon® reference disk
- Cleanable/replaceable UB black disk
- Removable leaf clip assembly with storage dock
- Optimized design with very low stray reflectance
- Optional small spot size optical inserts
- Optional fiber optic & lens adapters
- Optional leaf temperature sensor



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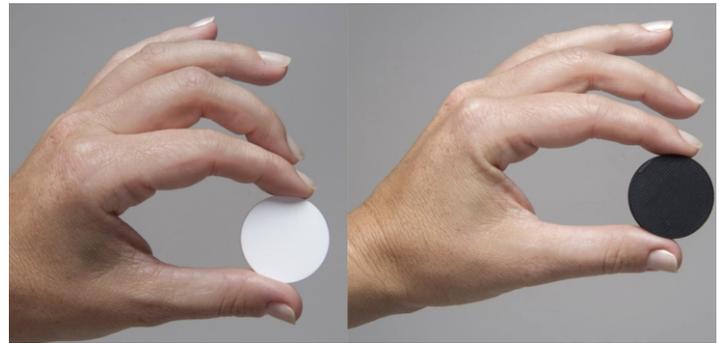
Single handed operation is possible because the lightweight, rugged head incorporates the internal stabilized lamp, lamp controls, measurement control and scan actuator. The removable spring-activated leaf clip features a rotational holder with a white reference disk and a UB black leaf-backing disk. All components are precisely integrated for ergonomic operation.



When the LC-RP PRO is used as a Contact Probe, the detachable leaf clip assembly is conveniently parked in the protected recess of the unit. Power is delivered from an i-Series instrument or by an optional battery pack.



The leaf clip assembly is quickly attached or removed when switching from the Leaf Clip mode to the Contact Probe mode. The assembly is secured to either the Spring Actuator or to the parking dock with neodymium magnets.



The calibrated Spectralon disks ensure the highest reflectance and most consistent reference measurements. The UB black backing disks consistently deliver less than 5% reflectance values, reducing transfection back through the leaf material. Both disks are field cleanable and replaceable.



Optional fiber optic/lens tube adapters are available for alternative fiber optic light guides, making the LC-RP PRO an invaluable universal tool for use with a wide range of instruments. Interchangeable small spot size fiber optic/lens tube adapters are available for viewing small area samples. These are easily changed in the field to suit specific research requirements.

The LC-RP PRO system is supplied in a rugged, watertight field case with hard foam cutout for extended life. The tool kit, including spare lamp, calibrated Spectralon® reflectance disk, UB disk and small tools is organized in a dedicated internal case.

