

# CARE AND GUIDELINES FOR THE OL 770 SPECTRORADIOMETER AND ACCESSORIES

To obtain the most accurate and dependable results, it is important to maintain and properly care for your OL 770 Multi-channel Spectroradiometer and accessories.

Ensure the long life of your instrumentation by following these suggestions:

## ***Spectrograph***

Dropping the unit or causing any severe jolting can cause movement to the internal components thus rendering future measurements unusable. If such a shock is suspected, a wavelength check and verification of intensity calibration should be performed to verify that the optical components are intact.

## ***Fiber Optic Probes / ND Filters***

When handling probes, avoid contacting the fiber ends with bare hands. When possible, wear latex gloves to prevent body oils from contacting the optics. Avoid excessive bending of the probe. When not in use, store fiber in accessory box with supplied protective covers on both ends.

## ***OL IS-670 Integrating Sphere / OL 15AB LED Receptor***

Keep all access ports, measurement and detector, covered when not in use. Even seemingly insignificant amounts of contamination can cause severe errors in measurements. Since the coating of the OL IS-670 consists of a packed PTFE powder, it is NOT recommended to attempt cleaning by cloth or compressed air as this will permanently damage the coating. If a noticeable amount of contamination is present within the OL IS-670 or OL 15AB, it should be sent back to the factory for reconditioning, as these accessories cannot be cleaned by the user.

## ***OL 610 and OL 620 Telescopes***

Dropping or jolting can cause the optical path to become misaligned, thereby causing inaccurate measurements. Avoid touching the lens with bare hands. If the lens becomes contaminated it can be cleaned with lens paper and high purity isopropanol. Although the DMS fiber is designed with a stainless steel jacket, it is still advisable to minimize the bending and movement of the fiber to avoid breakage and transmission loss.

If it is suspected that an instrument has been severely damaged due to dropping, electrical surge, etc., it is recommended you contact your local representative or the factory for further evaluation of the unit in question.

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As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.