Product Note

Important Notification on Cleaning of RTI Light Probe

Dirt, dust and fingerprints may have a significant effect on light attenuation and reflection. Therefore it is important to protect and clean the optical parts of a light probe. Uncleaned optical parts will influence the measurement accuracy when using a light probe.
Regular calibration and constancy check procedures help to ensure the accuracy and stability of the light probe.

1. RTI Light Probe Observations

In the RTI ISO 17025 calibration laboratories, there are times when light probes that come for calibration do not pass the manufacturer specification of 5% due to uncleaned optical parts. Generally speaking, light probes that are calibrated bi-annually and cleaned regularly stay within tolerances.
On the other hand, light probes that have not been following the calibration recommendation, and have not been cleaned for a while, may deviate as much as 10-15 %(though this is not very common)

2. Following the Calibration Plan

By handling the RTI Light Probe with care, keeping it well protected in the case, and following the recommendation for calibration, it should not be necessary to clean the optics between calibrations.
At the RTI ISO 17025 calibration laboratory an 'As Found' check is always performed on the Light Probe without cleaning it. After this check, the Light Probe is cleaned and a new calibration factor is derived. The cleaning at the RTI ISO 17025 laboratory is performed as described below.

3. Cleaning Instructions for RTI Light Probe

When cleaning the RTI Light probe attention must be given not to damage any of the optical parts. If possible use isopropyl alcohol (50%), cotton swabs, compressed air and all-purpose microfiber cleaning cloth.

3.1 Light Detector

The Light sensor is cleaned (without any attachments) with an all-purpose microfiber cleaning cloth. The sensor part is the green surface when no attachments are connected. Once cleaned, compressed air is used to blow out any remaining dust particles.

3.2 Monitor Adapter

The Monitor adapter tube is cleaned using isopropyl alcohol and cotton swab. Once the adapter is cleaned, compressed air is used to dry and clean any remaining particles.

3.3 Lux Adapter

The Lux adapter (both top and bottom area) is cleaned using an all-purpose microfiber cleaning cloth. Compressed air is used to blow out any remaining particles.

If you have any questions or want to be updated on current situation, please contact your local RTI representative or RTI support at:

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