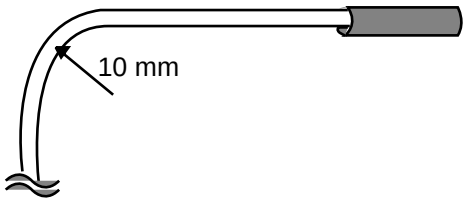
Sterilization & Care of Transonic® Laser Doppler Flowprobes

The probe may be sterilized by low temperature (≤ than 65° C) ethylene oxide, STERRAD or may be disinfected with alcohol.

******DO NOT STEAM STERILIZE!******

The probe cable contains very fine glass fibers and must be handled with care.

- Do not disconnect the probe from the meter by pulling on the cable.
- Do not bend the probe cable to a radius less than 10 mm.



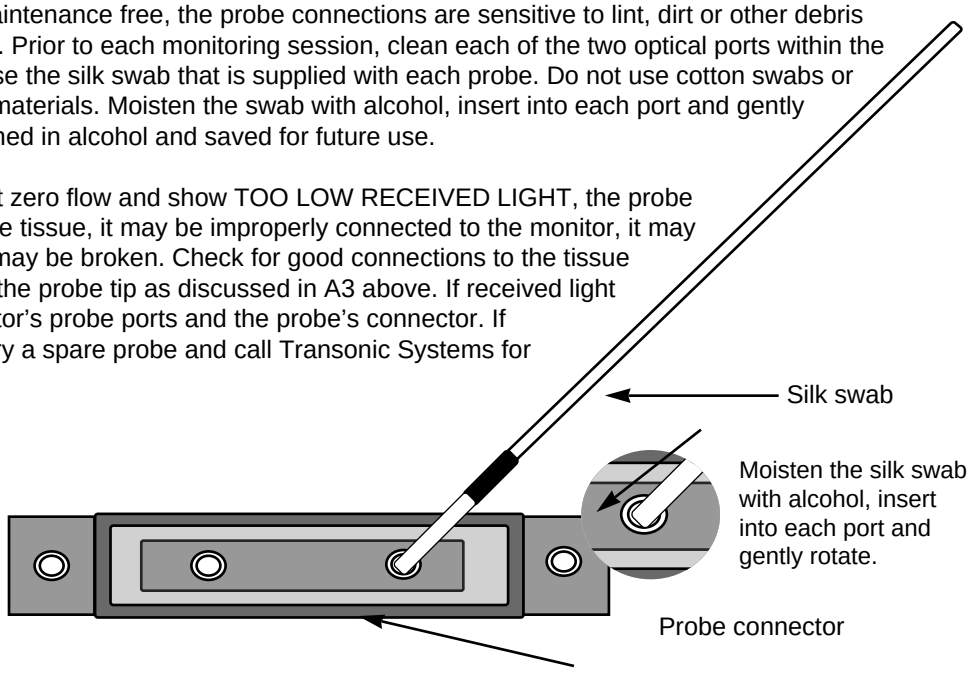
After use, wash the probe tip and cable thoroughly in soap and warm water. Debris on the ends of the optical fibers can adversely affect readings. Remove any visible foreign material with a soft-bristled brush or cloth. The FDDI connector should not be immersed in water but may be surface washed as needed with alcohol wipes. Use a cotton swab on the ends of the optical fibers (see the two ceramic ferrules within the FDDI connector) to remove any accumulated matter. The probe head and cable may be rinsed and wiped in 90% ethyl alcohol before sterilization.

When not in use:

- Cover the meter's probe port with the attached cap;
- Cover the probe connector with the attached cap;

While the BLF21 is largely maintenance free, the probe connections are sensitive to lint, dirt or other debris which can block the light path. Prior to each monitoring session, clean each of the two optical ports within the monitor's probe connector. Use the silk swab that is supplied with each probe. Do not use cotton swabs or other lint producing cleaning materials. Moisten the swab with alcohol, insert into each port and gently rotate. The swab can be cleaned in alcohol and saved for future use.

If the instrument should report zero flow and show TOO LOW RECEIVED LIGHT, the probe may have come loose from the tissue, it may be improperly connected to the monitor, it may be dirty or one or both fibers may be broken. Check for good connections to the tissue and monitor first. Next, clean the probe tip as discussed in A3 above. If received light is still too low, clean the monitor's probe ports and the probe's connector. If received light is still too low, try a spare probe and call Transonic Systems for assistance at 800-353-3569.



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