I. Let the patient rest in supine position
   Keep feet and toes warm.

II. Turn on computer and instrument
   Allow the instrument 20 minutes to warm up.

III. Attach Cuffs and Probes
   Toes/ankles, and arm (if measuring TBI/ABI).

IV. Start the PeriSoft for Windows Examination Manager
   Select patient from worklist, database or create a new patient.

V. Choose appropriate Examination Plan
   Choose attending staff.
   Enter appropriate information in the Examination Record, if available.

VI. Check instrument settings
   If necessary, rename channels and/or exclude tests/channels.

VII. Start measurement, follow instructions
   Heat limb if perfusion value < 20 PU.
   Avoid movement artifacts.
   Perform at least 3 repetitions.

VIII. Check pressure curves
   Adjust pressure markers, if necessary.
   Exclude erroneous measurements.

IX. Print or export report

Cleaning
Digit and toe cuffs can be cleaned with soap and water, and sterilized with 5% chlorine bleach in water or ethylene oxide (≤60°C). Alcohol may be used only for polyurethane cuffs, marked UDC or UPC. Do not use alcohol on latex cuffs (models DC and PC). Medically approved plastic film can be used under the cuffs to avoid contamination and transmission of infection from ulcerated or infected areas. The removable cover for arm and ankle cuffs can be machine washed and line dried. They may be wiped with alcohol, and sterilized with ethylene oxide (≤60°C). Ventilate cuffs after cleaning to ensure that they dry completely. Do not autoclave any cuffs.

Clean the laser Doppler probes with mild detergent and water, or wipe with alcohol (<70%). The laser Doppler probes may be disinfected using Rely+On™ Perasafe™ (DuPont™), CIDEX® OPA (Johnson&Johnson) or CIDEX® Plus (Johnson&Johnson). Sterilize with STERRAD® 100S®/100i®/50i®. Probes must not be subjected to temperatures exceeding 65°C. The optical connectors can be cleaned with a cloth moistened with alcohol. Do not immerse in liquid. Probe holders may be cleaned with isopropyl alcohol.
The Vascular Lab - Transcutaneous Oxygen (tcPO₂)

I. Let the patient rest in supine position
   Keep feet and toes warm.

II. Turn on computer and instrument
    Calibrate electrodes. Allow the instrument
    15 minutes to warm up. Calibrate electrodes again.

III. Attach fixation rings
     Remove body hair, blot with tape and then clean site with alcohol.
     Avoid bony prominences, areas of edema, large superficial vessels and calloused skin.

IV. Start the PeriSoft for Windows Examination Manager
    Select patient from worklist, database or create a new patient.

V. Choose appropriate Examination Plan
    Choose attending staff.
    Enter appropriate information in the Examination Record if available.

VI. Check instrument settings
    If necessary, rename channels and/or exclude tests/channels.

VII. Start measurement, follow instructions
     At least 15 minutes for stable baseline.
     Perform provocations if necessary - leg elevation/O₂ inhalation.

VIII. Print or export report

Calibration
    Calibration ensures accurate measurements and should be performed:
    • prior to each monitoring period
    • when changing measurement sites
    • every four hours
    • when changing between patients
    • every time an electrode has been remembraned (calibrate twice)

Cleaning and Maintenance of Electrode
    Gently wipe the electrode and cable with a soft cloth or tissue moistened with water.
    Use clean tissues to remove any remaining moisture.

    Note! Avoid exposing the electrode cable to any product (hand lotion or disinfection solution, for example) based on isopropanol/propyl alcohol/alcohol as frequent exposure to these products may damage the electrode cable.

    To obtain reliable measurements, electrode remembraning is recommended every week.

    Please refer to the instrument manual for complete instructions on cleaning and maintenance.

For detailed instructions, please refer to the instrument manual.