

## V-Sign™ Sensor 2

REF VS-A/P/N

## OxiVenT™ Sensor

REF OV-A/P/N

### Cleaning and Disinfection Agents

**Important:** The cleaning and disinfection solutions listed here have been tested for their suitability for the V-Sign™ and OxiVenT™ Sensor. The below listed name brand products for cleaning and disinfection may be substituted by other name brand products of equivalent composition. However, as there are many factors (contact time, force applied during wiping etc.) that can influence the functionality of the sensor, it is the responsibility of the user to test the functionality of the sensor after cleaning and/or disinfection. **SenTec recommends using 70% Isopropanol.**

**Table 1: Low Level Disinfection**

Brand name/ manufacturer	Cleaning procedure
<b>WEBCOL Alcohol Prep Pads</b> (Kendal); 70% Isopropanol	Carefully wipe all SenTec TC Sensor surfaces and the cable with alcohol wipes and allow to dry.
<b>Mikrozid</b> (Schülke Mayr) pre-soaked wipes; 25% Ethanol, 35% Isopropanol	
<b>Kodan® forte</b> (Schülke&Mayr); 45,0 g 2-Propanol, 10,0 g 1-Propanol, 0,20 g Biphenyl-2-ol, 30% H2O2	Carefully wipe all surfaces of the SenTec TC Sensor and the cable with wipes soaked Kodan forte. Wait 5 min. Remove all Kodan forte residues using 70% Isopropanol. Allow to dry.
<b>Gigasept® AF</b> (Schülke&Mayr); 15 g Didecyldimethylammoniumchlorid, 10 g Phenoxypropanole, 6,9 g Aminoalkylglycine; 15 – 30% non-ionic tensides.	Carefully wipe all surfaces of the SenTec TC Sensor and the cable with wipes soaked in 4% solution (e.g. 960 ml deionized water plus 40 ml Gigasept AF). Note that the 4% dilution has a shelf-life of 7 days. Wait 15 min. Remove all Gigasept residues using 70% Isopropanol. Allow to dry.
<b>Terralin Protect</b> (Schülke&Mayr) 22 g Quaternäre Ammoniumverbindungen, Benzyl-C12-16-alkyldimethyl-, Chloride, 17 g 2-Phenoxyethanol, 0,9 g Aminoalkylglycine, 5 – 15% non-ionic tensides.	Carefully wipe all SenTec TC surfaces and the cable with wipes soaked in 2% solution (e.g. 980 ml deionized water plus 20 ml Terralin Protect). Wait 15 min. Remove all Terralin residues using 70% Isopropanol. Allow to dry.

<b>Prevantics™ Device Swab</b> (PDI); 3,15% Chlorhexidine Gluconate (w/v) and 70% Isopropyl Alcohol (v/v)	Carefully wipe all SenTec TC Sensor surfaces and the cable with the pre-soaked PDI wipe for 5 seconds. Let dry for 5 seconds. Remove all PDI residues using 70% Isopropanol. Allow to dry.
<b>Sanoclean AR</b> (Sanosil); 1,5% Hydrogen Peroxide (0.003% Silver)	Carefully wipe all SenTec TC Sensor surfaces and the cable with wipes soaked in Sanoclean AR (note: the commercial solution is ready to use, no further dilution required), Wait 15 minutes. Remove all Sanoclean residues using 70% Isopropanol. Allow to dry.
<b>Dismozon plus</b> (Bode Chemie); Magnesium Monoperoxyphthalat 958 mg/g	Carefully wipe all SenTec TC Sensor surfaces and the cable with wipes soaked in 3,6% solution (e.g. 36g of Dismozon granulate per liter of deionized water). Note: The diluted solution has a shelf-life of 8h. Wait 15 min. Remove all Dismozon residues using 70% Isopropanol. Allow to dry.
<b>Microbac Forte</b> (Bode Chemie); 20% Benzyl-C12-18-alkyldimethylammoniumchloride; 5% N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamin	Carefully wipe all SenTec TC surfaces and the cable with wipes soaked in 2% solution (e.g. 980 ml deionized water plus 20 ml Microbac Forte). Wait 15 min. Remove all Microbac Forte residues using 70% Isopropanol. Allow to dry.
<b>Super Sani Cloth</b> (PDI); 0,25% n-alkyl dimethyl ethylbenzyl ammonium chlorides 0,25% n-alkyl dimethyl benzyl ammonium chlorides	Carefully wipe all SenTec TC Sensor surfaces and the cable with the pre-soaked PDI wipe. Wait 2 minutes. Remove all PDI residues using 70% Isopropanol. Allow to dry.  <b>CAUTION:</b> This cleaning agent is potentially aggressive to the skin. Thus, sensor membrane must be changed after cleaning to ensure optimal skin compatibility.
<b>CaviCide or CaviWipe</b> (METREX® RESEARCH CORPORATION) 0,28% Diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride; Isopropanol	Spray CaviCide or CaviWipe directly onto the sensor/cable surface. Allow surface to remain visibly wet for 3 minutes. Remove all CaviCide or CaviWipe residues using 70% Isopropanol. Allow to dry.  <b>CAUTION:</b> This cleaning agent is potentially aggressive to the skin. Thus, sensor membrane must be changed after cleaning to ensure optimal skin compatibility.

**Table 2: High Level Disinfection**

Brand name/ manufacturer	Cleaning procedure
<b>Cidex OPA</b> (J&J) (*); 0,55% ortho-Phthalaldehyde  Note: Requires pre-cleaning using an enzymatic cleaner: <b>ENZOL</b> (J&J) or <b>Prolystica</b> (Steris); Subtilisin	First, remove debris using an enzymatic detergent: Soak the Sensor and the desired length of cable in enzymatic solution for 5 minutes. Rinse the sensor and the cable briefly in deionized water. Blot dry carefully.  Soak the Sensor and the desired length of cable in CIDEX OPA solution for 12 minutes.  Soak the SenTec TC Sensor and the desired length of cable 3x for 2 minutes in sterile or deionized water (renew after each soaking cycle).  Carefully wipe all surfaces of the SenTec TC Sensor and cable with 70% Isopropanol. Allow to dry.  <b>CAUTION:</b> Sensor membrane must be changed after cleaning to ensure optimal sensor monitoring performance.
<b>Sani Cloth Bleach</b> (PDI); Sodium Hypochloride 0,63%  Approx. 6000 ppm available free chlorine	Carefully wipe all SenTec TC Sensor surfaces and the cable with the pre-soaked PDI wipe. Wait 4 minutes  Remove all PDI residues using 70% Isopropanol. Allow to dry.  <b>CAUTION:</b> Do not use bleach cleaners on sensor surfaces without or with defect membrane. This may damage the PCO <sub>2</sub> unit.
<b>Clorox Healthcare Bleach Germicidal Wipes</b> ; 5500 ppm Sodium Hypochloride	<b>CAUTION:</b> Bleach is potentially aggressive to the skin. Thus, sensor membrane must be changed after cleaning to ensure optimal skin compatibility.
<b>Mikrozid® PAA wipes</b> (Schülke & Mayr); 0,07% Per-Acetic acid; Hydrogen Peroxide, Acetic acid	Carefully wipe all SenTec TC Sensor surfaces and the cable with the pre-soaked Mikrozid PAA wipes, Wait 15 min. Remove all Mikrozid PAA residues using 70% Isopropanol. Allow to dry.

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