



# Sensor care guide

Protect your sensors.  
Protect your investment.

# Designed to last.

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Xios sensors are designed and tested to withstand years of normal daily use to ensure a long product life cycle and continuous support in your practice. The most common reason for sensor failure is cable damage, so in addition to our replaceable cable technology that is integrated into every Xios AE and Xios XG Supreme sensor, we also suggest following the included recommendations for proper sensor care and optimal use.

Proper storage of  
sensor in holster



## Sensor care

To properly maintain your sensor(s),  
please follow these guidelines:

✓	Disinfect the sensor before each use. For disinfection instructions, refer to the sensor operating manual.
✓	Wipe the sensor with a disinfection cloth.
✗	Do not clamp the sensor or cable.
✗	Do not autoclave the sensor.
✗	Do not soak the sensor or its connector in disinfectant solution.
✗	Do not hang the sensor by its cable.
✗	Do not allow patients to bite directly down onto the sensor cable.

# Sensor usage

Improper handling of the sensor cable is the most common cause of sensor failure. It is important to follow these instructions to prevent possible damage:

	Always handle the product with care.
	When taking X-rays, always use a new hygienic sheath for each patient.
	When disconnecting the sensor from the USB interface, hold both the connector and the interface (not the cable) firmly and pull gently.
	Follow the instructions for removing the hygienic sheath.
	When not in use, store the sensor in the wall holster.
	Do not wind the cable as this may result in knots and irreversible damage.
	Do not let the cable hang on or near the floor where it can become tangled or stepped on.
	Do not let the cable hang near a drawer where it can become kinked/crimped.
	Do not pull the cable in order to remove it from the positioning system, wall holster or hygienic sheath.
	Do not wind the cable during use of the sensor to prevent possible knots and kinks.

# Removing the hygienic sheath

Below you will find our recommendation for the proper removal of the hygienic sheath.

## Sensor with Rinn® XCP-DS-Fit® Positioning System



**1**  
Gently slide the sensor out of the holder system.



**2**  
Carefully push the sensor towards the opening of the hygienic sheath. Do not pull it out by the cable.



**3**  
As soon as the sensor is guided into the wider area, slide the sheath the rest of the way off.



**4**  
Make sure you're holding the sensor securely so that it does not fall.

## Correct sensor positioning

For more information on how to work safely and effectively with your sensor and positioning systems, please visit the [Intraoral Sensors – Positioning playlist on Dentsply Sirona Youtube channel](#).

Here you will find a series of tutorial videos that will guide you safely through various positioning techniques to support successful image capture and a comfortable workflow.

# Reprocessing instructions

The sensor and cable should only be separated during reprocessing in justified exceptional cases.

Below you will find the recommended steps for reprocessing.

In a clinical environment, disposable gloves must be worn and the sensor must be used in combination with a hygienic sheath. The following procedure is recommended before using the sensor for the first time and after each patient:

- 1. Wear suitable protective clothing.**
- 2. Remove and dispose of used hygienic sheaths.**
- 3. Place the sensor on a clean tray or surface.**
- 4. Disconnect the sensor from the USB interface.**
- 5. If the sensor or the cable are visibly dirty (e.g. with blood or saliva), they should be cleaned with a suitable Dentsply Sirona recommended disinfectant wipe, cleaned and disinfected. Make sure that all impurities are removed and the sensor is thoroughly disinfected. [dentsplysirona.com/pflegemittel](https://dentsplysirona.com/pflegemittel)**
- 6. Do not expose the contacts of the sensor/USB interface connection to liquid. Pay attention to the recommended application times.**
- 7. Store the sensor in a clean environment for the next use.**



## Questions

Please contact an authorized dealer  
for Xios sensors.

## **Dentsply Sirona**

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