

# DEXIS™ TITANIUM PerfectSize™ Sensor



## DEXIS™ Titanium sensors

Continuing the legacy of providing one of the finest in intraoral digital imaging, DEXIS Titanium sensors are everything you've come to expect from DEXIS innovation and more.

With DEXIS Titanium sensor's extraordinary image quality, SMART™ features and durable materials, you gain the confidence, reliability, and assurance that give peace of mind. You can expect DEXIS Titanium sensors to yield extraordinary images so you can confidently diagnose patients' conditions and provide them with a positive radiographic experience.

The design and engineering teams completely re-evaluated all of our current technology and made important design and material changes to DEXIS Titanium's cable, and even its holders. We have retained award-winning features such as the TrueComfort™ design of the PerfectSize™ sensor that allows for utmost comfort and the use of one sensor for the capture of all intraoral images.

DEXIS Titanium sensors are engineered to be exceptionally reliable. We are so confident in the durability and reliability of DEXIS Titanium sensors that we offer a unique unconditional replacement warranty.



**Put DEXISTough™ design to the test.**



### Impact-resistant housing

The rugged, resilient housing features a thermoplastic resin coating, which makes DEXIS Titanium sensors more resistant to cracks and breakage\*. Featuring a proprietary dome surface design, DEXIS Titanium sensors are engineered and proven to withstand significant stress or pressure\*.

\*As compared to DEXIS Platinum sensor. Data on file.



**EXTRAORDINARY IMAGES**

Increase confidence in diagnosis with CleanCapture technology, improved signal performance and expanded dynamic range.

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**SMART FEATURES**

Improve workflow efficiency with our new sensor motion-activation feature allowing you to capture X-rays without touching your computer.

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**SUSTAINABLE DURABILITY**

Enhance reliability with a sensor designed, engineered and tested to withstand impact and help eliminate failure.

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**PATIENT COMFORT**

Help deliver a positive patient experience with DEXIS Titanium sensor and its award-winning TrueComfort and PerfectSize design.



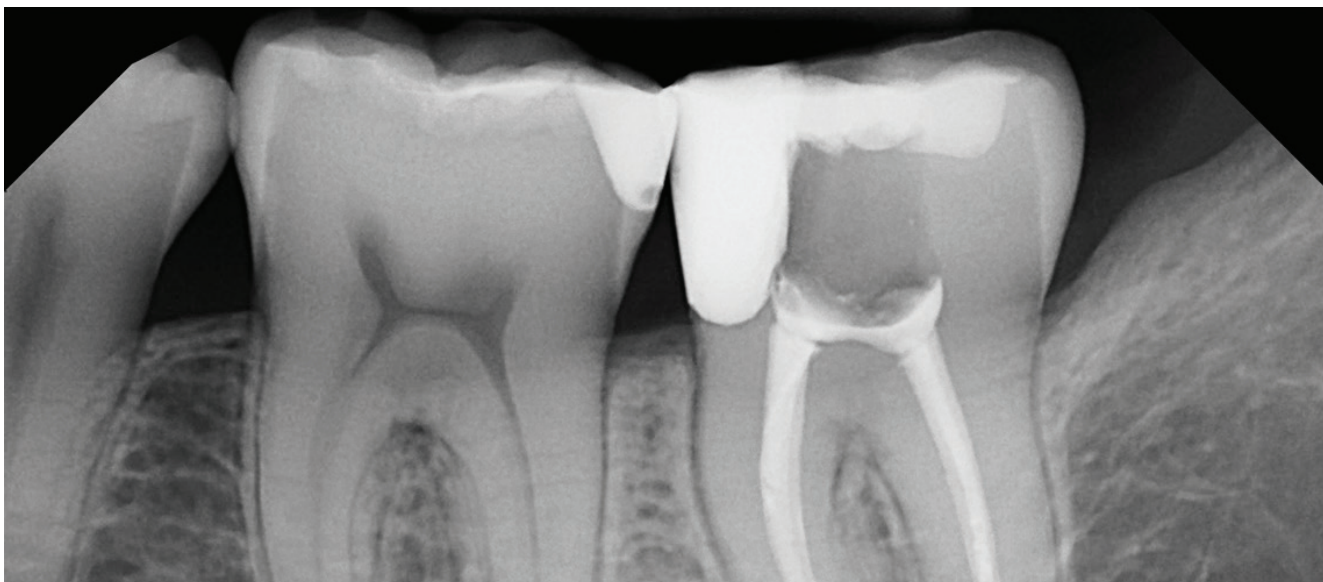
**UNCONDITIONAL REPLACEMENT WARRANTY**

Realize peace of mind with a unique, unconditional replacement warranty to help keep your practice running smoothly and efficiently.

**“DEXIS Titanium images answer the diagnostic questions that other sensors’ images don’t. The increased clarity and contrast mean better diagnosis that translates into better care for our patients.” — Brett Silverman, DDS, Alpharetta, GA**

## Phenomenal image clarity

Understanding that image quality is at the top of mind when selecting a sensor, we began with DEXIS Platinum technology — which is proven to produce leading image quality. DEXIS Titanium, the next generation of innovation in sensor technology, enables greater confidence in diagnosis. DEXIS Titanium sensors capture consistent, phenomenal images with improved tissue contrast across the broader spectrum of radiation levels especially at low doses.



Images taken with DEXIS Titanium Sensor:

**The innovative imaging technologies of the DEXIS Titanium sensor work together to give you clearer, better image quality and confidence in diagnosis\*.**

\*As compared to DEXIS Platinum sensor. Data on file.

# Truly seamless integration of technologies

The scintillator, the CMOS detector and the fiber optic plate are made of the most modern materials —integrated to function perfectly together. The new components are designed using proprietary methods that give DEXIS Titanium sensors a distinct advantage in image quality.

## CleanCapture process

Removing “noise” that causes pixelated, low-detail images is essential for diagnostically appropriate X-rays.

DEXIS Titanium sensor components were designed in a proprietary way to drastically reduce noise and enhance performance so that you can see the anatomical details needed for diagnosis. The sensor captures high-resolution data that is processed as the X-ray is taken. DEXIS Titanium

sensors actually clean and centrare the data before it ever reaches the software.

The advanced pixel design of the DEXIS Titanium sensor targets the “sweet spot” for dental imaging - the perfect balance of pixel size and scintillator performance.

Even the biteblocks are designed for better image quality as no plastic infringes on the sensor’s capture surface

eliminating artifacts that can result from holding devices\*.

The USB cable design safeguards the integrity of image data as it is transferred down the wire. Once the data is transmitted, the X-ray can then be further improved with the software’s image enhancements.

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## Expanded dynamic range

DEXIS Titanium was designed to expand dynamic range. Titanium images offer remarkable clarity with low doses, and when needed, you can use a higher dose for more dense anatomical structures without impacting image quality.



\*As compared to DEXIS Platinum sensor. Data on file.

## SMART™ science for your practice

The SMART capabilities of the DEXIS Titanium sensor were designed to allow you to work efficiently.

### A cable that alerts you

Experience greater reliability and protection with the smart design of the DEXIS Titanium USB block and connector. Upon detection of an issue, the sensor will automatically turn off.

Another benefit is the USB's ability to detect an in-line issue.



DEXIS Titanium utilizes a 3.0 USB connector that is an easy plug-n-play. A USB 3.0 connector has

a higher capacity for a greater number of smooth insertions than USB 2.0 giving you reliable portability.

## Exclusive sensor health data

To create the best owner experience, we have developed a new system to gather data for your DEXIS Titanium sensors health to help keep your practice running smoothly and minimize downtime.

With DEXIS technology you can choose to remotely diagnose your sensor to measure voltage, current, and monitor image quality.

With these new advances, we offer the most responsive and comprehensive service available today. Our highly skilled DEXIS technical support representatives will be able to evaluate sensor function by gaining image parameters and troubleshooting issues.

Over time, sensor function and data analytics will occur in real-time. We can alert you in the event of possible anomalies in sensor performance so we you keep operating smoothly.

Opt-in to DEXIS Connect today for easy sensor installation and automation.



## Tough durable housing

DEXIS Titanium housing, internally and externally, was designed to gain additional tensile strength. We selected a highly engineered thermo-plastic resin that stands up to heavy physical use, as well as a wide variety of disinfectant chemicals — keeping you and your patients protected.

No matter how careful you are during radiographic procedures, patients can sometimes bite on the sensor. By using advanced housing materials and doubling the manufacturing specifications of the DEXIS Platinum sensor from 50N to 100N bite force specifications, we were able to better compensate for the amount of force the sensor should withstand from bite pressure.

Most sensors experience an impact event on a daily basis — dropping on the floor or counter, knocking against other equipment, etc. The mechanical design of the sensor housing is built to endure significantly more of these types of impacts and still perform at the same exceptional quality\*.

### WiseAngle™

WiseAngle feature helps reduce stress for the sensor-to-cable connection. During laboratory tests, DEXIS Titanium's cable withstood being flexed over 100,000 times and maintained signal strength as data moved from the sensor to the computer\*.

### No pointed edges

The anatomical design of DEXIS Titanium sensors features smooth, generously rounded corners and edges. Constructed to fit more comfortably inside your patient's mouth, DEXIS Titanium sensors are easy to place intraorally for any clinician.



\*Data on file.



# DEXISTough™ — Where reliable performance meets durable design.

With DEXIS Titanium, every component has a purpose.

Built to last, your DEXIS Titanium system is your personal X-ray acquisition workhorse.

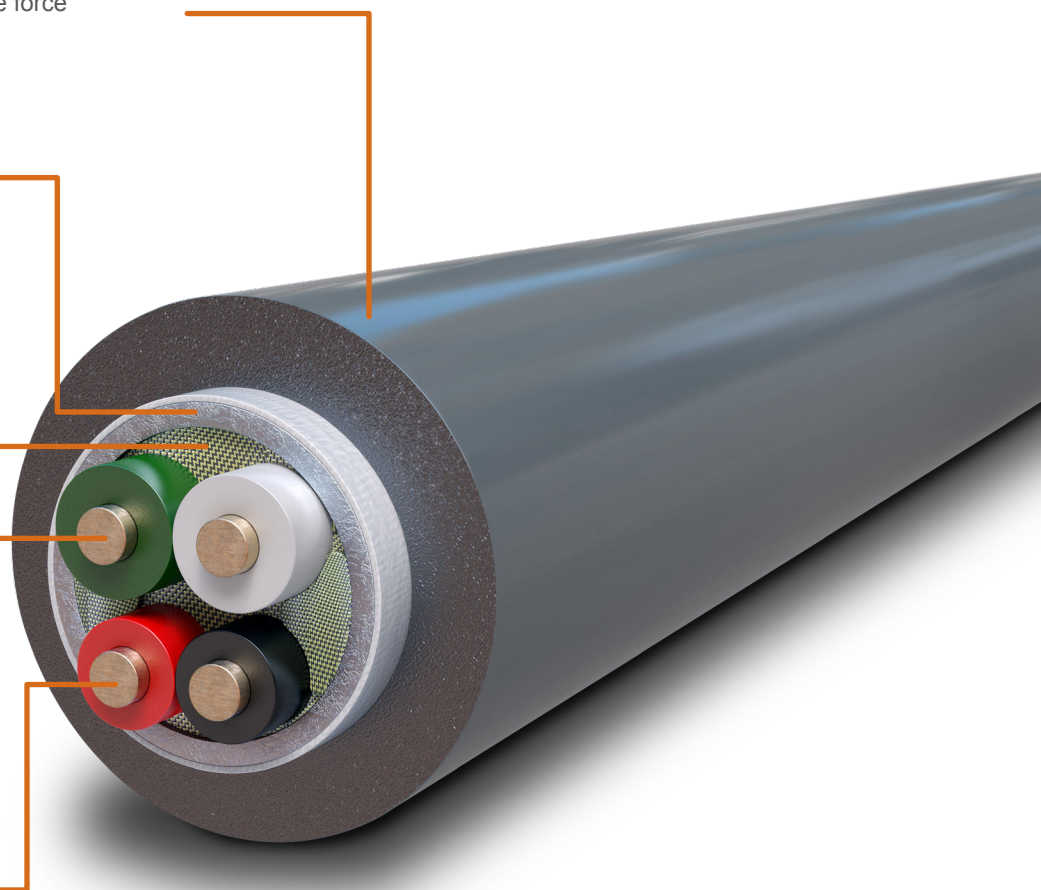
**1** The durable inner jacket protects the inner components of the cable, making it more resistant to bite force and accidental harsh events.

**2** Copper alloy shielding protects high speed USB communication from interference.

**3** Kevlar®-reinforced strands increase bend cycle, helping to extend life of cable.

**4** Advanced signal and signal-return wires help to improve communication between your device and your computer.

**5** Durable power and power-return wires help keep your device operating at optimum charge.



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## Resilient cable components

the innovative composition of the DEXIS Titanium cable features a powerful sensor-to-cable connection that helps to eliminate connectivity issues. Directly fused to the USB housing, the external jacket offers robust protection from twisting, tugging, and other external forces such as bite pressure.

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## Inner strength

A copper alloy shield protects the internal components of the sensor. Kevlar® reinforced strands pad the cable jacket for added durability and resilience to withstand your practice's most demanding day.

## Innovative cable design

### Dependable signals

Advanced internal components retain the best signal performance to deliver reliable imaging results over time.

### Durable materials

The outer cover for the cable better handles external forces like biting, twisting, tugging, plus eliminates cable drag and tangling.

### Short-circuit protection

The cable-to-USB connection now features short-circuit protection.

### Strong connections

To combat separation, the cable's external jacket material extends over and is "welded" to the USB housing.



## Accessories & holders

Biteblocks deliver TrueComfort for patients as they hug the sensor to avoid gaps that can catch on soft tissue and have a protective coating for the sensor-to-cable connection for prolonged cable and sensor life.

Sensor holders are typically autoclaved after each use, so they need to be exceedingly resilient. We crafted DEXIS Titanium sensors bite blocks and rings out of tough, thermoplastic resin similar to what is used in the sensor housing.

During rigorous testing, the holders upheld their integrity. They are also designed to have a higher tensile strength to withstand frequent placement and a wide variety of disinfectants — all without material or color degradation\*.

\*As compared to DEXIS Platinum sensor. Data on file.



## The DTX Studio™ Clinic difference

The next generation of DEXIS software is DTX Studio Clinic, where all your imaging for 2D, 3D, intraoral scans, and patient photography is housed in one easy-to-use platform. With built-in Assisted Intelligence, your workflows are streamlined, and time-consuming tasks are alleviated.

Paired with the DEXIS Titanium sensor, DTX Studio Clinic allows practitioners and staff to take intraoral x-rays with full freedom; no template required. This is all possible thanks to MagicSort™ which automatically assigns tooth numbers, rotates the image, and places them in the correct order.

**Request a demo today!**



## The DEXIS promise

We want DEXIS owners to be confident in their sensor's performance. Every aspect of DEXIS Titanium sensors are engineered to eliminate the pain points around failure of hardware. We thoroughly tested all components for strength and longevity.

We are so confident in this revolutionary sensor that we now offer a unique unconditional replacement warranty, DEXcare, that continues under the DEXIS Complete Program. Next day replacement sensor ensures your practice is up and running quickly.

# About DEXIS

DEXIS innovation is nothing new. After all, our recognized, trusted products are built on over 200 years of dental imaging expertise, combining leading brands including i-CAT™, Gendex™, Instrumentarium, SOREDEX™, and NOMAD™ Pro 2. Today, over 150,000 offices trust DEXIS products around the world.

DEXIS now includes a full portfolio of products including CBCT and intraoral scanners, our legacy digital sensors and handheld x-ray system and DTX™ Studio Clinic, the next generation software. This complete digital solution works seamlessly together as well as with other systems to enhance the way you diagnose, plan, and treat patients in your practice. Elevate your patient outcomes with greater confidence — across the patient journey. With DEXIS proven solutions, you'll be able to treat patients from consultation to diagnosis to treatment to surgery and deliver appliances, all with the efficiency that you come to expect with the DEXIS brand you already know.

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