

A Powerful Generator from the Palm of Your Hand

The CS 2400P is the portable generator that delivers the powerful X-ray beam needed for great image quality while offering the full flexibility of use inherent to a mobile device. In addition, its innovative battery-free recharging system eliminates the burden of battery lifecycle management and costs associated with it—delivering even more comfort and peace of mind of the dental staff.

Whether you choose the CS 2400P as a replacement or in addition to your existing conventional X-ray generators, it will serve as the right companion for intraoral procedures.



Charged and Ready to Go:

The CS 2400P relies on a supercapacitor, not a battery, which means the system can go from completely discharged to ready to go in less than three minutes. When charged, it can produce multiple shots before being recharged in seconds on the chairside charging dock. With no need to swap out batteries, there's no variation in the quality of the X-rays beam being produced based on battery lifecycle, so you can confidently perform intraoral exams.

Exceptional Image Quality:

Don't sacrifice image quality for convenience. The CS 2400P's parameters are similar to those of a conventional generator (70 KV; 3,5 mA) and has a shorter dispatch than less powerful handheld generators. This reduces the risk of motion during the exposure and improves sharpness. Its 0.4mm focal spot provides sharper details than even conventional generators, which typically feature a 0.7mm focal spot.

The 'P' Says it All:

Portability is key for freeing up wall space and giving teams the flexibility to move between operatories. At just 2.4 kg, the CS 2400P is lightweight and well balanced, making it easy to handle during procedures and reducing operator fatigue. Its convenient size means it can be secured and stored away anywhere to keep the operatory tidy.

Focus on Patients:

Keep patients at ease with constant contact by their side. Not only does a portable generator give you the freedom to move around the patient more easily, you'll also have more control over placing the sensor before capturing the image for better image quality.

Prioritize Safety:

The CS 2400P features a backscatter protection ring to shield the operator from secondary X-rays coming from the patient. Carestream Dental has specially-engineered positioning accessories available to maximize operator handling and safety.

Make Your Investment Go Further:

With no need to constantly purchase new batteries or schedule regular maintenance, such as mechanical arm safety checks, the CS 2400P is a cost-effective investment that saves your practice money over time. Should the system need maintenance, it can be quickly and easily swapped out for service.

Technical Specifications

Power supply	Super Capacitor (battery free)
Voltage / Current	70 kV DC / 3.5 mA
Exposure time range	0.06 – 1.00 s
Focal spot	0.4 mm
Inherent filtration	> 1.5 mm
Al equivalent source to skin distance	20 cm x-ray field: 60 mm round
Maximum duty cycle	1:30
Total Weight	5.27 lbs. (2.39kg)
Dimensions	W 5.5" x L 10.6" x H xx" (W 14 cm x L 27 cm x H xx cm)

