



INSTRUMENTARIUM

**FOCUS™**  
Intraoral X-ray



**Focus on your patient.**  
FOCUS™ Intraoral X-ray



**ADM**  
ANTI-DRIFT MECHANISM

The FOCUS™ X-ray with Anti-Drift Mechanism is a premium quality high-frequency intra-oral DC unit. An ideal tool for demanding dental professionals – like you.

## Why FOCUS™?

- Exceptional stability
- Anti-Drift Mechanism
- Smooth movements
- Long arm reach
- Eye-catching design
- DAP Display



**ADM**  
ANTI-DRIFT MECHANISM



Exceptional stability. Amazingly light to handle.

**Smooth movement – but only when you want it**

The FOCUS™ X-ray is extremely stable yet amazingly light and easy to handle. It positions smoothly with just one hand! The movement stops when you want it to stop – no drifting or re-positioning. This exceptional stability is a result of the ADM (Anti-Drift Mechanism) in the scissor arm. This new innovative design provides complete immobility after positioning, which is essential in order to get clinically correct images.



**E**xtremely long arm. Always close to the patient.



### **Extremely long arm reach**

No more installation or usage compromises. The choice of three different arm lengths makes FOCUS™ unit the perfect X-ray for any practice. Long arm reach available ensures FOCUS™ X-ray is always where it is needed, close to the patient. Taking images is easy and convenient also in dental offices with a challenging layout.

### **Optimize your office space**

The unique enclosure of electronics into the horizontal arm makes FOCUS™ X-ray fast and easy to install and service. The small mounting system requires less space on the wall than other X-ray units. A standard wall mount or cabinet mount allows FOCUS™ X-ray to be installed in any type of room setup. A unit-mounted FOCUS™ X-ray can be installed directly on most dental care units. Utilize your office space more efficiently with the FOCUS™ X-ray!

### **No compromises**

Choose the ideal configuration for your practice – don't settle for any compromises. Expand your FOCUS™ X-ray with an additional control panel or remote exposure button for easier operation. Choose from a variety of cones to ensure your X-ray is the best fit for your clinical needs. The expandable and versatile FOCUS™ X-ray is extremely dependable and ready to provide years of effortless service.

### **Good, Better, Focus**

Not all intraoral X-ray units are the same. The mechanical structure and stability of FOCUS™ X-ray make patient positioning as easy as it should be. Premium components and precise X-ray output result in sharper images. The eye-catching, future-proof design ensures comfortable handling and easy cleaning. These features can only be experienced by using the FOCUS™ X-ray – it simply delivers the best performance. Try it yourself and feel the difference!



Easier for you. Safer for your patients.



### DC X-ray – caring for your patients

Choosing FOCUS™ X-ray means caring for your patients. As a high-frequency intraoral DC X-ray unit, FOCUS™ provides an efficient exposure that ensures successful images while keeping patient dose to an absolute minimum. DC is also the preferred choice for digital imaging that requires short and constant radiation.

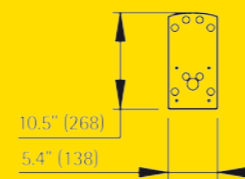
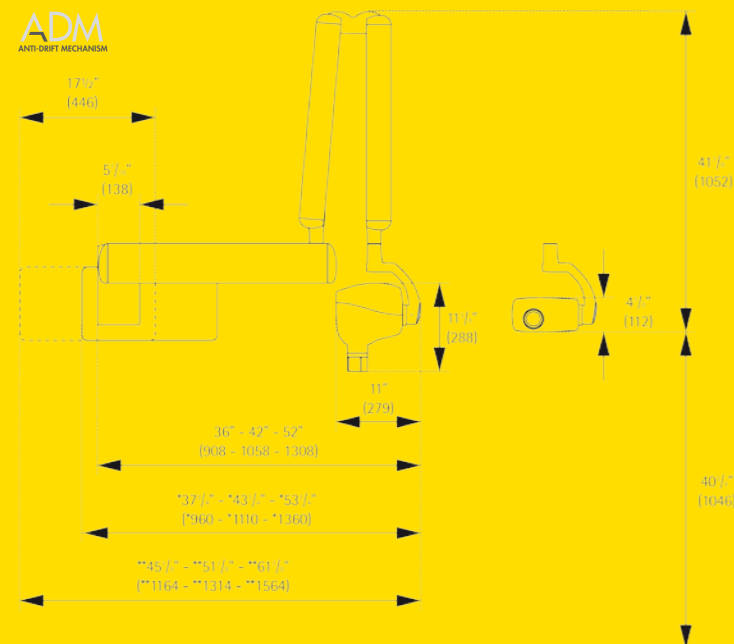
### Automatic dose display (DAP)

The built-in dose (DAP – Dose Area Product) display is a perfect solution to improve patient safety easily. The dose display allows both dose monitoring for individual patients and longer term recording. The dose is calculated and can be shown clearly after every exposure on the FOCUS™ X-ray control panel.

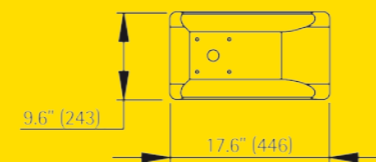
### Pre-programmed settings

A very clear and user-friendly remote control makes your work easier. It includes pre-programmed exposure settings for all areas of both adult and pediatric dentitions. You can also choose your own exposure settings manually and save your preferred exposures into memory. The FOCUS™ X-ray provides the choice of 60 or 70kV, depending on whether you prefer contrast or high resolution in your image. Instead of pre-programmed settings, you can choose the exposure time from 0.02 and 3.2 seconds.

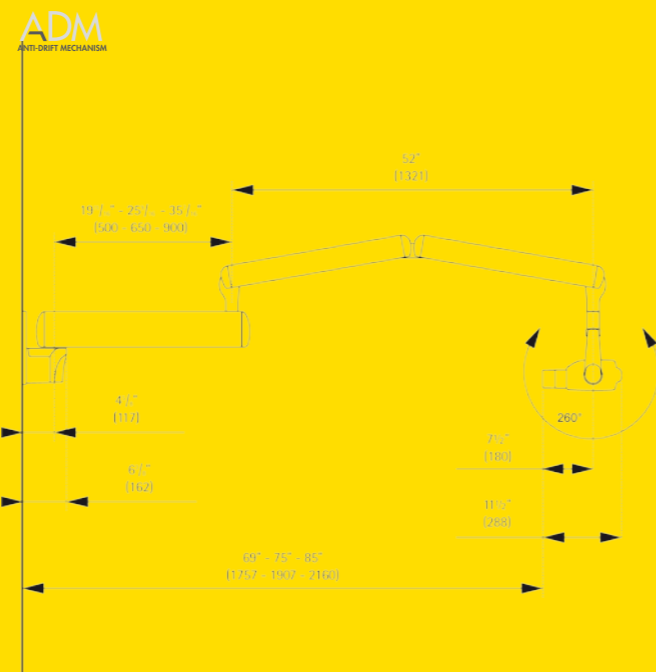
# Dimensions



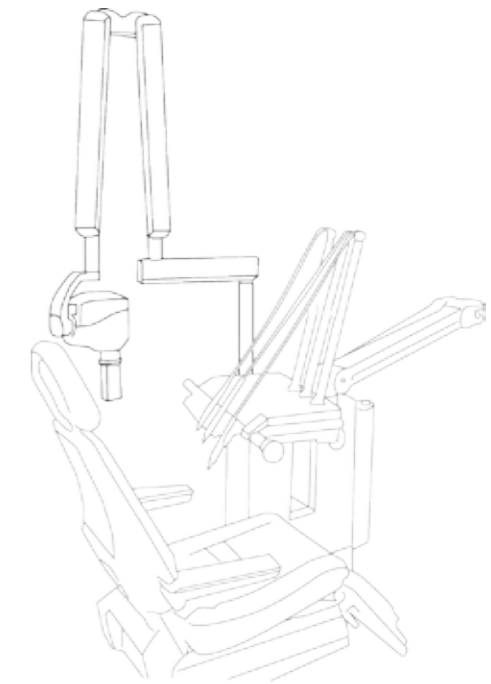
**Single stud**  
Standard mount for single stud wall or cabinet mount.



**16" center stud**  
Standard wall mount for 16" center studs.



**Selection of cones**  
A comprehensive range of FOCUS™ X-ray cones is available.



**Unit mounted FOCUS™**  
The unit mounted FOCUS™ X-ray fits most dental care units.

## Technical specifications

generator	constant potential (high voltage DC, 100–200 kHz)
tube voltage	60 or 70 kV
tube current	7 mA
focal spot	0.7 mm to IEC 60336
total filtration	2.5 mm Al (70 kV)
line voltage	115 / 230 VAC +/- 10 %, 50/60 Hz
exposure time range	0.02–3.2 seconds

## Expandability

remote exposure button	
two remote controls	
door switch readiness	
external exposure lamp readiness	
unit mount	

## Weight

total	66 lbs (30 kg)
-------	----------------

## Beam limiting cone dimensions

round diameter	2.36" (60 mm), rectangular 1.38" x 1.77" (35 x 45 mm)
----------------	---

## SSD (Source-Skin Distance)

standard cone	9" (229 mm), long cone 12" (305 mm)
---------------	-------------------------------------

## Installation

vertical wall mount for single stud, or horizontal wall mount for 16" (406 mm) center stud installation unit mount	
--	--

## Headquarters

Instrumentarium Dental  
Nahkelantie 160  
P.O. Box 20  
FI-04301 Tuusula  
Finland  
Tel. +358 10 270 2000  
Fax +358 10 270 2230

## USA

Instrumentarium Dental Inc.  
1245 W. Canal Street  
Milwaukee, Wisconsin 53233  
U.S.A  
Tel. +1 800 558 6120  
Fax +1 414 481 8665



**Instrumentarium Dental** develops, manufactures and markets high-tech systems and solutions for dental and maxillo-facial imaging. We work in close co-operation with dental professionals, universities and other research centers in our quest to develop solutions that will meet and exceed the expectations of our customers. As the establisher of panoramic X-ray imaging, we are committed to providing high clinical performance while still maintaining simplicity, ease of use and workflow efficiency.

The Instrumentarium Dental product portfolio consists of a full range of premium quality imaging solutions for intraoral, extraoral and 3D imaging. For more detailed information about our products, please visit [www.instrumentariumdental.com](http://www.instrumentariumdental.com).

Instrumentarium Dental reserves the right to make changes to specifications and features shown herein, or to discontinue the product described at any time without notice or obligation. Contact your Instrumentarium Dental representative for the most current information. CE marked according to Medical Device Directive (NB 0537). Electrical safety according to IEC 60601-1. Operations comply with ISO 13485:2003, ISO 9001:2008, and ISO 14001:2004.

FOCUS™ is a common law trademark of Instrumentarium Dental, PaloDEX Group Oy.

**[www.instrumentariumdental.com](http://www.instrumentariumdental.com)**