

# EVO CONTROL



**COMET**  
Technology with Passion



reddot award 2015  
best of the best

## BUILT TO LAST

IT'S ROBUST AND RELIABLE

Designed and built in Denmark, the CONTROL EVO is based on state of the art technology. The unit is fitted with a high quality die-casted aluminium chassis protecting all vital parts. It meets the IP66 standard, making the CONTROL EVO fully operational in dusty and wet conditions. It is reliable, long lasting and a sound investment.

## SMARTER WORKFLOW

IT'S INTUITIVE AND EASY TO HANDLE

The ergonomic design and shoulder strap makes the CONTROL EVO easy to handle and re-position. All information is clearly displayed on the 6.5 inches high contrast color screen. The unit features an exposure calculator and has an intuitive interface with a wide range of advanced functionalities – equalling a smarter workflow.

## COMPATIBLE

IT'S BACKWARDS COMPATIBLE AND FUTURE-PROOF

The CONTROL EVO is backwards compatible with the PXS portable X-ray systems. It has an Ethernet interface allowing for remote diagnostics and software updates. The USB interface facilitates, control of the system via a USB-to-Serial converter, saving diagnostics reports and can also be used for software updates in the field. It even has Bluetooth™ for future applications. All of these make the EVO system smart and future-proof.

# EVO CONTROL



## EXPOSURE CALCULATOR

The advanced built-in exposure calculator ensures fast exposure calculations and uniform results. It can calculate the minimum required film focus distance optimising the exposure time. It accommodates the use of a wide range of films, materials and settings.

## POWER SUPPLY

The AC-mains voltage range spans from 85 to 264 VAC and from 45 to 65 Hz, supporting global operation. The power factor correction module ensures stable operation, where AC-mains are unstable.

## OPTIONS

Additional warning lamps, either multi color or traditional, can be connected and configured. Signals for additional siren, flow switch and other devices are also supported. A double door interlock system can be interfaced.

## CERTIFICATES

CE (Low voltage EN 61010-1, EMC 2004/108/EC, Machinery EN 60204-1). DIN 54113 and Röntgenverordnung (RöV).

## EXPOSURE CALCULATOR

Calculate exposure values			
Tube	<input type="text" value="EVO 225D"/>	<input checked="" type="checkbox"/> Auto-calculate	
Material	<input type="text" value="Iron (Fe)"/>		
Film manufacturer	<input type="text"/>		
Film type	<input type="text" value="D7 (C5)"/>		
FFD	<input type="text" value="70"/> cm		[30 - 200]
Density	<input type="text" value="2.0"/>		[1.0 - 3.5]
Thickness	<input type="text" value="50"/> mm		
Voltage	<input type="text" value="225"/> kV		[40 - 225]
Current	<input type="text" value="4.0"/> mA	Factor	<input type="text" value="1.00"/>
Time	<input type="text" value="14:02"/> min.	Save as profile	
Save as profile <input type="button" value="enter"/>		Close <input type="button" value="↩"/>	

## SPECIFICATIONS

WEIGHT	13 kg
DISPLAY	6.5" LCD Color
MAX X-RAY POWER	1200 W*
HIGH VOLTAGE ADJUSTMENT / 1 kV RES.	10 – 300 kV*
mA ADJUSTMENT / 0.1 mA RES.	0.5 – 10 mA*
EXPOSURE TIME	1 sec. - 60 min. or ∞*
INTERFACES	Ethernet, Bluetooth and USB
NUMBER OF EXPOSURE PROFILES	100
EXPOSURE HISTORY	Last 100 exposures
ENVIRONMENT	IP66
TEMPERATURE RANGE	-20°C to +50°C

\* DEPENDS ON TUBE HEAD TYPE