

# EVO 225DS

S M A L L F O C A L S P O T



**YXLON**  
Technology with Passion



reddot award 2015  
best of the best

## BUILT TO LAST

IT'S ROBUST AND RELIABLE

Designed and built in Denmark; the SMART EVO systems are comprised of the best components and assembled with the utmost care - making them reliable, long lasting and a sound investment. They are fitted with a high quality metal ceramic X-ray tube and the robust composite casing now protects all vital parts even better. The systems meet the IP65 standard, making them fully operational in dusty and wet conditions.

## SMARTER WORKFLOW

IT'S LIGHT-WEIGHT AND EASY TO HANDLE

The ergonomic design and the low weight of 26 kg make the SMART EVO 225DS easy to handle and re-position. A broad temperature range from -20°C to +50°C makes the EVO systems reliable and ensures smooth operation even in extreme environments. The intuitive interface allows for a smarter workflow.

## HIGH PERFORMANCE

DUE TO ITS TECHNICAL CAPABILITIES

Built to meet the highest international safety standards, each unit is individually tested and measured for safety and accuracy. The SMART EVO 225DS features a combination of 225 kV, a 1.0 mm focal spot and 900 W constant potential X-ray power for high penetration, shorter exposure times and high resolution results - making it well suited for all medium duty field inspection jobs.

# EVO 225DS

SMALL FOCAL SPOT

## EXPOSURE CALCULATOR

The advanced built-in exposure calculator in the CONTROL EVO ensures fast exposure calculations, as well as uniform results and optimised exposure times. 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 improved power factor correction module ensures stable operation, where AC-mains are unstable.

## OPTIONS

The right set of accessories is important to make your workflow even smarter. Tube stands and other accessories are available, making the X-ray systems versatile, flexible and suited for most applications.

## CERTIFICATES

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

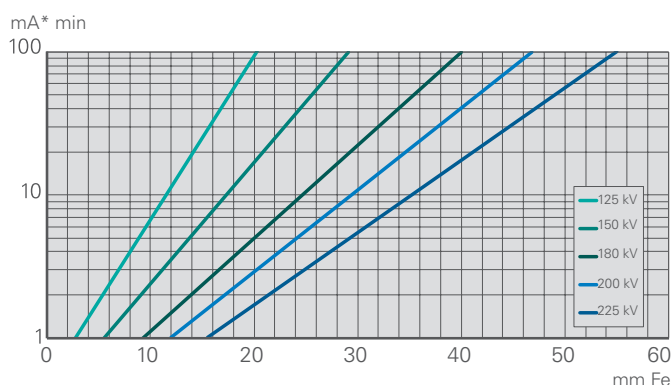
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## Fe EXPOSURE DIAGRAM

700 mm FFD / D7-type + Pb / D = 2,0



## SPECIFICATIONS

WEIGHT	26 kg
HEIGHT	708 mm
FOCAL SPOT SIZE EN 12543	1.0 mm
HIGH VOLTAGE ADJUSTMENT	40 – 225 kV
mA ADJUSTMENT	0.5 – 5.5 mA
MAX X-RAY POWER	900 W
BEAM ANGLE	30° x 60°
LEAKAGE RADIATION	Max. 5.0 mSv/h
ENVIRONMENT	IP65
TEMPERATURE RANGE	-20°C to +50°C
CONT. EXPOSURE 35°C, 225 kV / 4.0 mA	Min. 1 hour