

EVO 300P



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 36 kg make the SMART EVO 300P 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. The re-engineered three-part lead belt is easy to mount and has as standard a 38° x 60° slit option allowing for directional use if required.

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 panoramic 38° x 360° X-ray beam makes the SMART EVO a perfect choice for weld seam inspection of cylindrical vessels and pipes. The SMART EVO 300P features a combination of 300 kV and 750 W constant potential X-ray power for high penetration - making it well suited for all heavy duty inspection jobs where ultimate performance is required.

EVO 300P



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

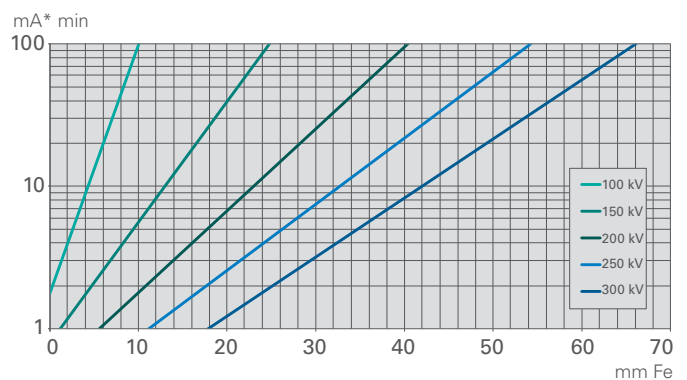
The right set of accessories is important to make your workflow even smarter. A tube stand and other accessories are available, making the X-ray systems versatile, flexible and suited for most applications.

CERTIFICATES

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

Fe EXPOSURE DIAGRAM

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



SPECIFICATIONS

WEIGHT	36 kg
HEIGHT	804 mm
FOCAL SPOT SIZE EN 12543	0.5 x 5.5 mm
HIGH VOLTAGE ADJUSTMENT	50 – 300 kV
mA ADJUSTMENT	0.5 – 4.5 mA
MAX X-RAY POWER	750 W
BEAM ANGLE	38° x 360°
LEAKAGE RADIATION	Max. 5.0 mSv/h
ENVIRONMENT	IP65
TEMPERATURE RANGE	-20°C to +50°C
CONT. EXPOSURE 35°C, 300 kV / 2.5 mA	Min. 1 hour

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