



RÖMATEC

Service-Zentrum und Handelsgesellschaft
für Röntgentechnik in Industrie und Forschung

NDT225DFM

Constant Potential X-Ray Set 225 kV/7 mA, mobile



LIGHT
COMPACT
MOBILE
RELIABLE

NDT225DFM

Technical Data



High voltage

HV adjustment range:	20 – 225 kV
HV adjustment increments:	0,1 kV/Step
Accuracy:	± 0,5 % (demand value)
Reproducibility:	± 0,1 %
HV ripple (with 15 m cable):	not specified so far
Temperature induced drift:	< 50 ppm/°C

Tube current

Adjustment range:	0,5 – 10 mA max. 1600 W
Adjustment increments:	0,1 mA/Step
Tube current stability:	± 0,1 % (demand value)

Exposure timer

Runtime:	max. 99 minutes
Input:	via keyboard/menu
Display:	via display (LED)

Programmed operation:

Memory capacity:	99
Programming:	via keyboard
Tube conditioning:	5 programmes
Interface(s):	2 x RS232

Pre-warning time:

Continuously adjustable from 0 to 99 seconds, tunable in 1-second-steps via menu navigation and keyboard.

Environmental condition (Protection class IP44):

Duty cycle:	< 1000 W – unlimited > 1000 W – max. 30 min.
Operating temperature:	0 to 40°C
Storage temperature:	-10 to +60°C, relative humidity 80 %, non-convective air

Focal spot selection:

Focal spot selection takes place at the push of a button on the keyboard (2 symbols existing). Switching over only is possible while HV is turned off.

Safety provisions

Two independent monitored safety circuits (fail-safe, 24 V). Continuous monitoring with automated shut-down and real text failure indication on display. Automatic discharging device at shut-down. Fail-safe monitoring of an external warning lamp and an additional warning lamp in the remote control (option). External warning lamp is based on LED technology. Two additional potential-free contacts for start-up interlock. Additional emergency stop buttons can be connected.

Mains supply:

230 VAC, 16 A, +6 %, -10 %, Protection 16 A at 1,6 kW

Mechanical data:

Dimensions (H x T x B):	1460 x 870 x 610 mm
Weight (with 15 m HV cable):	ca. 220 kg



Data subject to change without notice!

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