

C-TEC MOBILE X-RAY CT-MO 160 KV

THE SYSTEM

CT-MO 160 with its low weight and a power up to 2.5 kW (160kV/15.6 mA) was designed specifically for mobile use in NPP's or industries. All components are mounted on a carriage system equipped with pneumatic tires, with a crane hook and a well tipping point and can therefore be easily carried from one person to the job. If necessary, the individual components can also be dismantled easily and worn for themselves.

You are able to penetrate up to 40 mm Fe. The 40 kHz technology ensures a very high stability and set accuracy of the high voltage and the tube current. The plants respond very rapidly to changes in the standard, so that the test time can be significantly reduced in many cases. Through the continuous comparison of actual and Set points are both deviations in the Middle and long-term condition and corrected in the microsecond range.

All of the components in the CT-MO system are shielded against the effects of dust and water, and comply with the Protection Class IP 54.



1.1 C-TEC Mobile X-Ray 160 KV

THE CONTROL UNIT

Connected via a 20m long cable, the CT-MO System can be set up easily. Desired parameters can be adjusted as desired with a touch button after the warm-up phase. Separate protection switch and key switch are mounted. Operating conditions are represented by corresponding lamps.



1.2 The Control unit

TECHNICAL SPECIFICATION

Operationsystems	4-Programs for preheating, 100 storages for operating parameters (kV, mA, time, focus), programmable by a numeric keyboard, 3 different Programs for x-ray tube conditioning
Focus selection	Switch for large or small focus, settings shown by Led control lamp and a numeric display (large focus = 160kV/15,6 mA)
Safety system	Two separately monitored Safety circuits
Enviroment (Protection class IP54)	Duty cycle: maximum 100% intermittent operation up to +33°C Operation temperature: -5°C to +33°C Relative humidity: 98% at +33°C Storage temperature: -10°C to +70°C Relative humidity: 98% at +40°C
Main supply (single-phase)	230 V +10%-15%, 50/60 Hz, Protection: 16A
Mechanical data (System)	CT-MO 160: Height and depth: 1300x600x700 Weight: 150 kg with 20 m HV cable
Exposure time (four digits Display)	In 1 second steps up to 10 minutes, in 10 seconds up to 99 minutes and 50 seconds, Time selection for Exposure
System can be upgraded to 225 KV	