

ERESCO MF4 Control

Portable X-ray Unit Digital Control



Features

- Robust and ergonomic design for operation in different working positions
- Transflective, backlit, graphic display for contrast optimized indoor and outdoor operation
- intuitive and menu driven user interface with multifunction-, numeric- and cursor keys input
- Multiple on-board features:
 - Exposure Calculator
 - Customizable exposure programs (supports off-line administration with PC tool including download, upload, archiving, reporting)
 - System parameter monitoring
 - Intelligent fully automatic warm-up program
 - RS-232 interface
 - Power mode for shortest possible exposure time
 - Supports 250 exposure programs
 - Supports 256 event and warm-up records each with synchronization to different radiation units
 - Supports off-line analysis of event and warm-up records (for reporting and documentation purpose)
 - Automatic recognition of connected X-ray tube head
- Small size, low weight and water / dust resistant (IP 65)
- Protective front panel cover
- Modern power electronics
- Microprocessor-controlled
- Built-in fail-safe warning lamp
- Easily adapts to different mains supplies, including portable generators
- Emergency-Stop in compliance with international standards

Certifications

- CE compliant acc. to EMC and Low Voltage Directive
- French Standard NFC 74100
- BfS certification (PTB approval) *
- Produced under ISO 9001 certified quality management system

* in conjunction with radiation unit

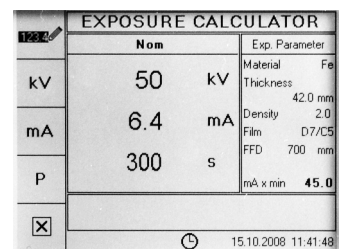
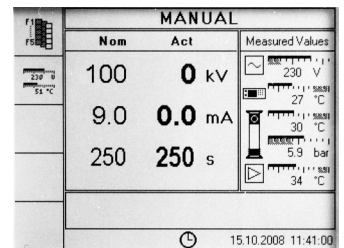
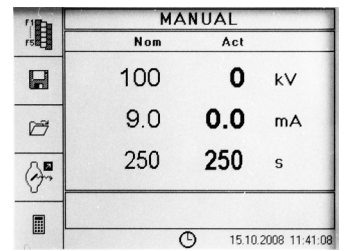


GE imagination at work

Technical Data

Voltage, settable in steps of 1 kV	5 - 300 kV (depending on the tube head)
Current, settable in steps of 0.1 mA	0.5 - 10 mA (depending on the tube head)
Exposure time in 1 sec steps or as min/sec value	1 to 5994 sec (optional display 99 min / 99 sec)
Pre programmable exposure programs	max. 250
Memory Size for event and warm-up records	256 for each
Display	transflective, backlit, graphic-display, 320 x 240 pixel
Supported languages	19
Character Sets	4, European (ISO), Japanese, Chinese, Cyrillic
Exposure Calculator	on-board, Fe, Ti, Al pre programmed / 3 materials free programmable
Warm-up	fully automatic, based on real time clock
Tube head identification	automatic
Parameter monitoring	continuous, on-line display of temperatures, pressure and line-voltage
Serial interface RS 232	1
Safety interlocks	2 (primary also available)
Emergency-Stop button	1
Three-position key switch	OFF, STANDBY, ON
Power supply requirements *)	1 PE N, 160 V - 253 V AC, max. 13 A single phase with grounded neutral, 1 PE N, 80 V - 127 V AC, max. 20 A, 50/60 Hz
Dimensions	see drawing
Weight	8.6 kg (19 lbs)
Protection class	IP65
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C

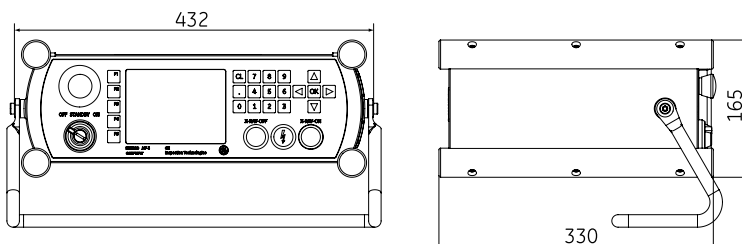
*) Operation with reduced output is possible at mains voltages below 205 V and 108 V respectively.



Exemplary screenshots of user Interface

Standard Delivery Scope of complete X-ray unit

- ERESKO MF4 tube head (see sep. product information)
- Digital Control "ERESKO MF4 Control"
- Canvas bag
- Connecting cable for ERESKO MF4, various length up to 60 m (193 ft)
- Power connecting cable 230 V or 115 V, 10 m (32 ft) long
- Set of accessories containing: spare fuses, spare bulbs and Allen key



Options

- External fail-safe flashing warning lamp
- Aluminium transport box
- MF4 Administrator Kit (CD-ROM and Interface Cable)
- Connecting cable for door contacts
- Extension cable ERESKO MF4, 20 m / 10 m (64 ft / 32 ft)
- Portable electric power generator for ERESKO MF
- Exposure calculator (PC based)
- Primary interlock kit
- Adapter cable for ERESKO MF3 radiation unit, 20 m / 0.5 m (64 ft / 1.6 ft) long



www.gesensinginspection.com

GEIT-30172EN (11/08)

© 2008 General Electric Company. All Rights Reserved. Specifications are subject to change without notice. GE is a registered trademark of General Electric Company. Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective companies, which are not affiliated with GE.

Contact: GE Sensing & Inspection Technologies GmbH, Bogenstrasse 41, 22926 Ahrensburg, Germany, T +49 (0)4102 807 0