GENERAL OBJECTS

GENERATOR STATUS ICONS

WORKING STATIONS

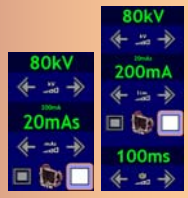
R306.3x

ANATOMICAL SELECTION or PROGRAMMED SELECTION

INTERMITTENT MODE OBJECTS

RADIOGRAPHY TECHNIQUE SELECTOR

RADIOGRAPHIC PARAMETERS



AUTOMATIC EXPOSURE CONTROL

CONTINUOUS MODE OBJECTS in RF series

FLUOROSCOPIC TECHNIQUES

FLUOROSCOPIC PARAMETERS

ODEL S.p.A.

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QUALITY SYSTEM CERTIFIED
UNI EN ISO 9001:2008
UNI EN ISO 13485 : 2004

File: CDO-0011 V1R6 2010-04

C306.40 – *8.4”*

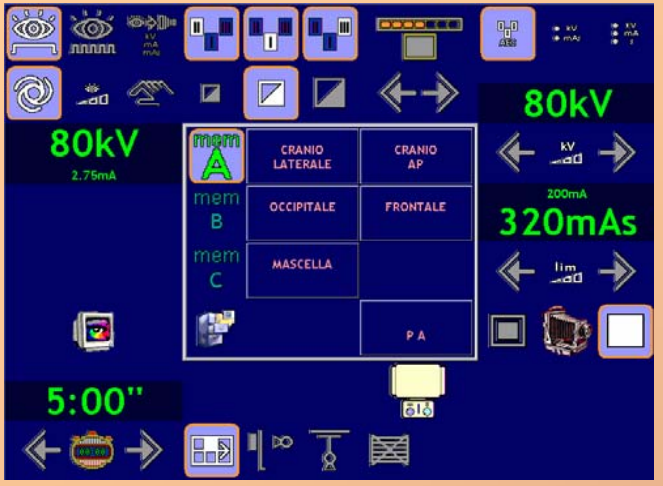
C306.42 – *12”*

X-RAY GENERATOR for RADIO DIAGNOSTIC

R306.3X Series “ENDEAVOUR”

Equipped with
Touch Screen Control Console

12” or 8.4” solution on the same intuitive interface



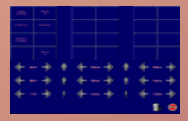
In a single panel all the necessary parameters

- Fluoroscopic techniques (Continuous, HCF)
- Zero Point Activation (parameters transfer)
- Automatic Exposure Control
- Radiographic Techniques (• kV only ••kV, mAs ••• kV, mA, s)
- Anatomical Programming Technique
- Working Station Oriented Free Selection
- Tube Status, Generator Status

..and

Exposure Summary, printable data, Virtual Keyboard

Table Driven Easy Programming



Intuitive Indications, user language

“Endeavour R”

	R306.34R	R306.35R	R306.36R
Intermittent Mode (Radiography)			
Nominal Voltage	150kV		
RX Tube Highest Current	500mA	630mA	800mA
High Voltage Rise Time	1ms to 75% of peak voltage		
Tube Current and Voltage (Maximum Performances)	500mA @ 80kV 400mA @ 100kV	630mA @ 79kV 500mA @ 100kV	800mA @ 81kV 630mA @ 103kV 500mA @ 130kV 400mA @ 150kV
Power Output	40kW	50kW	65kW
Minimum Current - Time product	0,4mAs		
Range of Loading factors	from 40kV to 150kV in 1kV step		
	from 10mA to 500mA in 29 step	from 10mA to 630mA in 30 step	from 10mA to 800mA in 31 step values
Timer Range	from 1 millisecond to 6 seconds in 36		
Sequential Exposure Rate	n/a		
Radiographic Techniques	1, 2, 3 points		
Automatic Exposure Control	Yes, up to 2 chambers – Ionization or Semiconductor type		
Other	3 Working Stations plus Direct Exposition,		
Protections	Anode Load, Anode Rotation, Tube Thermal Load, Filament Overheating, Max kV		
Tube Voltage			
Tube Current and Voltage			
Automatic Fluoroscopy			
Pulse Fluoroscopy (H.C.F)			
Mains Voltage	Three-phase 400V alternate current		
Mains Frequency	50Hz / 60Hz		
Maximum Mains Current	92A	108A	141A
Maximum Power Absorbed	apparent 60kVA active 54kW	apparent 75kVA active 63kW	apparent 98kVA active 82kW
Mains Protection	63A Curve C plus 30mA type B		
Class and Type	Class I Type B (UNI EN 60 601)		
	CE 0051 Class II b (Dir. 93/42/CEE)		

“Endeavour RF”

	R306.36RF 65RF	R306.36RF 65RHF
Intermittent Mode (Radiography)		
Nominal Voltage	150kV	
RX Tube Highest Current	800 mA	800 mA
High Voltage Rise Time	1ms to 75% of peak voltage	
Tube Current and Voltage (Maximum Performances)	800mA @ 81kV 630mA @ 103kV 500mA @ 130kV 400mA @ 150kV	800mA @ 81kV 630mA @ 103kV 500mA @ 130kV 400mA @ 150kV
Power Output	65kW	65kW
Minimum Current - Time product	0,4mAs	
Range of Loading factors	from 40kV to 150kV in 1kV step	
	From 10mA to 800mA in 31 values	From 10mA to 800mA in 31 values
Timer Range	from 1 millisecond to 6 seconds in 36 step values	
Sequential Exposure Rate	Up to 30 i/s	Up to 30 i/s CARDIAC CINE
Radiographic Techniques	0, 1, 2, 3 points	0, 1, 2, 3 points
Automatic Exposure Control	Yes, up to 2 chambers – Ionization or Semiconductor type	
Other	3 Working Stations plus Direct Exposition, 1 X-Ray tube, Dose Area Products, …	
Protections	Anode Load, Anode Rotation, Tube Thermal Load, Filament Overheating, Max kV	
Continuous Mode (Fluoroscopy)		
Tube Voltage	from 40kV to 120kV	from 40kV to 120kV
Tube Current and Voltage	From 0,5mA to 5mA	from 0,5mA to 5mA/18mA on request
Automatic Fluoroscopy	Yes	Yes
Pulse Fluoroscopy (H.C.F)	n/a	Up to 30 pps – 40, 60, 80, 100mA
Mains Voltage	Three-phase 400V alternate current	
Mains Frequency	50Hz / 60Hz	
Maximum Mains Current	141A	141A
Maximum Power Absorbed	apparent 98kVA active 82kW	apparent 98kVA active 82kW
Mains Protection	63A Curve C plus 30mA type B differential breaker	
Class and Type	Class I Type B (UNI EN 60 601)	
	CE 0051 Class II b (Dir. 93/42/CEE)	