

# SERVICE MANUAL

Code: I3000\_Rev15.doc



## PRACTIX 33 plus

Type: 9890 010 81801

Valid from s/n°: P5-253

### INTRODUCTION AND TECHNICAL DATA

I3002\_Rev4.doc  
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### INSTALLATION

I3004\_Rev2.doc



### ACCEPTANCE

I3006.doc - Rev. 2



### REPLACEMENT

I3008\_Rev7.doc



### ADJUSTMENTS

I3010\_Rev5.doc



### FAULT FINDING

I3012\_Rev1.doc



### SERVICE INFORMATION

I3014\_Rev4.doc



### PARTS LIST

I3016\_Rev9.doc



### SCHEMATIC DRAWINGS

I3018\_Rev4.doc



### WIRING DIAGRAMS

I3020\_Rev1.doc



# **INTRODUCTION AND TECHNICAL DATA - 1**

## PLANNING DATA

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### 1.1. PRODUCT INFORMATION

**PRACTIX 33 plus** is a microprocessor controlled portable x-ray device.

The programming has been designed and realized by the manufacturer and **can not be modified by the user**.

The identification of the program release on the unit is shown on the display once the unit is switched on. **PRACTIX 33 plus R.XX.YY**

In case of software modification only and therefore **interchangeable**, only the number **YY** will be updated.

On the contrary, in case of modification of both of the software and hardware that, consequently becomes no longer **interchangeable** with the previous releases, the number **XX** will be updated and the number **YY** will be reset.

The High Voltage circuit is integrated in the monobloc with stationary anode tube, which is controlled by a H.F system with 8 Khz. max. working frequency.

The system can be connected to a normal 115/230 Vac 16A power supply line.

The system is designed in full compliance with the international standards, as indicated in the USER'S manual.

### 1.1.1 Applications

Radiography

### 1.1.2 Options

The unit in its basic configuration is predisposed to be supplied by 115 - 230 V 50 - 60 Hz Voltages.

Proceed with the selection of the voltage, as described in the chapter INSTALLATION, paragraph 2.2.1. in function of the supply network of the destination country.

Besides the current one, an additional cassette holder may be required, which can contain 4 cassettes (max. 35 X 43 mm.).

The Purchase code is: TX code 52469 - 12NC 4512 535 39231 – 9890 010 80311

## 1.2. COMPATIBILITY

The system is supplied in the standard configuration and can not be developed on the field. No external accessory may be interfaced with PRACTIX 33 PLUS

## 1.3. MECHANICAL DATA

To check out the mechanical data and the measures of the different operational conditions please refer to the drawing on page 6.

### 1.3.1 Transportation Data

Net	Weight (Kg)		Dimensions (cm.)		
	Gross		Length	Width	Height
150	200		1510	855	1540

## 1.4. ENVIROMENTAL DATA

The system fully complies with the PMS UXW 13600 standard.

### 1.4.1 Climatic Conditions

For the climatic conditions related to the use, the transportation and the warehousing, the following data are effective:

- Environmental Temperature 10°C...40°C / -25°C...70°C
- Relative Humidity 20%...80% / 5%...95%
- Atmospheric Pressure 700 hPa...1000hPa

## 1.5. ELECTRICAL DATA

### 1.5.1 Power data and main conditions

#### Power data:

Nominal power	3 ... 4 kW
Mains voltage	1 X 115 / 230 V $\pm$ 10 %
Mains frequency	50 ... 60 Hz
Max mains current	
• at 115 / 230 V	0,7 A in stand-by
• at 115 V	34 A in X-ray
• at 230 V	25 A in X-ray
Fuse protection	16 A
Mains resistance	
• at 115 V	$\leq$ 350 m $\Omega$
• at 230 V	$\leq$ 550 m $\Omega$
Unit supply	115V / 230 V
Max output power	
• at 115 V	1.5 kW
• at 230 V	3.3 kW

### 1.5.2 Operating data

Tube current	
• at 115 V	13 ... 37mA
• at 230 V	30 ... 75 mA
Tube voltage	40 ...110 kV in 1 kV steps
mAs product	
• at 115 V	0.2 ... 200
• at 230 V	0.2 ... 250
Exposure time	
• at 115 V	5 ms ... 7.5 s
• at 230 V	2.6 ms ... 5 s

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