Small, powerful high-frequency X-ray unit

Gierth TR 90/30

Maximum power - minimum size and weight:
The small, very light TR 90/30 takes high-quality X-rays and is supplied in a practical transport case. The user-friendly operation and the integrated interface for using the X-ray machine with a digital system make it a popular device for mobile and stationary radiography. The TR (Tough Ray) device also has a "low line voltage" function that easily compensates for current fluctuations. The housing transmission radiation is significantly below the legally prescribed limit value. The TR 90/30 has a 2-stage power burst system, which is capable of representing bone and soft tissue structures equally in the highest quality.

- High-frequency X-ray generator with full bridge inverter system
- Only weighs 6.5 kg
- Serial interface for connecting with digital radiography systems
- Scaled collimator to adjust the size of the light indicator field
- Light field indicator can be activated via the hand switch
- Acoustic and optical timer signal and much more

For use in veterinary medicine and NDT sector

Order No. AP2300
Small, powerful high-frequency X-ray unit **Gierth TR 90/30**

**Scope of delivery**
- X-ray machine TR 90/30
- Aluminum carrying case
- 2-stage hand trigger switch

**Short description**
- High-frequency X-ray generator with full bridge inverter system
- Only weighs 6.5 kg
- Serial interface for connecting with digital radiography systems
- Collimator with scale to adjust the size of the light field indicator
- Light field indicator can be activated via the hand switch
- Acoustic and optical timer signal
- 5 memory buttons
- Dual laser pointer
- Digital display „X-RAY“, „READY“ and „ERROR“
- Tape measure for film-focal spot distance
- Aluminium casing
- Robust and innovative impact-resistant construction

**Technical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inverter frequency</td>
<td>100 kHz</td>
</tr>
<tr>
<td>Power requirement</td>
<td>1.8 kVA</td>
</tr>
<tr>
<td>Output in 2-kV Steps</td>
<td>40 – 60 kV = 30 mA (max.)</td>
</tr>
<tr>
<td></td>
<td>62 – 70 kV = 25 mA (max.)</td>
</tr>
<tr>
<td></td>
<td>72 – 80 kV = 20 mA (max.)</td>
</tr>
<tr>
<td></td>
<td>82 – 90 kV = 15 mA (max.)</td>
</tr>
<tr>
<td>X-ray tube</td>
<td>XDT – F90</td>
</tr>
<tr>
<td>Focal spot</td>
<td>0.8 mm x 0.8 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>6.5 kg including collimator</td>
</tr>
<tr>
<td>Dimensions L x W x H</td>
<td>300 mm x 188 mm x 172 mm</td>
</tr>
<tr>
<td>Total filtration</td>
<td>2.7 mm Al</td>
</tr>
</tbody>
</table>

**Please visit** [www.or-technology.com](http://www.or-technology.com) **for more details**

**Specifications subject to revision without notice**

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