Small, battery-operated X-ray unit

**Gierth**

**TR 90/20 Battery**

**Unrestricted freedom for X-raying:**
The GiERTH TR 90/20 Battery guarantees unlimited mobility and is the ideal companion for outdoor X-ray applications. With a fully charged battery, you can take up to 300 X-rays completely of grid. A serial interface for connecting to the digital system and easy operation are additional advantages of this X-ray unit. The GiERTH TR 90/20 Battery is delivered in a practical carrying case.

- Battery operated HF X-ray unit with pulse frequency modulation
- Total weight: 6,800 g (battery included)
- Fully charged battery allows up to 300 exposures
- Operator-friendly due to a centered balance point
- Innovative impact resistant construction
- Approx. 240 minutes charging time
- Serial interface for connecting to the digital system (optional)
- Light visor with scale for format adjustment and spirit level and much more

For use in veterinary medicine, NDT and security sector

Order No. AP2200
Small, battery-operated X-ray unit  
Gierth TR 90/20

Scope of delivery
- X-ray machine TR 90/20, including 1 x battery
- Aluminium carrying case
- 2-stage hand trigger switch

Short description
- Battery-powered high-frequency X-ray apparatus
- Only 6.8 kg
- Fully charged battery allows up to 300 shots
- User-friendly centre of gravity
- Approx. 240 minutes charging time
- Serial interface for connection to the digital system (optional)
- Light field indicator with scale for format adjustment and spirit level
- Light field indicator can be activated via manual release
- Battery status indicator
- Acoustic and optical signal when triggered
- 5 Memory - Function keys, dual laser bearing
- Digital display of “X-RAY”, “READY” and “ERROR
- Tape measure for film focus distance measurement
- Aluminum casing

Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inverter frequency</td>
<td>100 kHz</td>
</tr>
<tr>
<td>Power requirement</td>
<td>1.35 kVA</td>
</tr>
<tr>
<td>Output in 2-kV Steps</td>
<td>40 – 60 kV = 20 mA (max.)</td>
</tr>
<tr>
<td></td>
<td>62 – 80 kV = 15 mA (max.)</td>
</tr>
<tr>
<td></td>
<td>82 – 90 kV = 10 mA (max.)</td>
</tr>
<tr>
<td></td>
<td>82 – 90 kV = 15 mA (max. in High Power mode)</td>
</tr>
<tr>
<td>X-ray tube</td>
<td>Toshiba D - 0814</td>
</tr>
<tr>
<td>Focal spot</td>
<td>0.8 mm x 0.8 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>6.8 kg including collimator</td>
</tr>
<tr>
<td>Dimensions L x W x H</td>
<td>265 mm x 220 mm x 180 mm</td>
</tr>
<tr>
<td>Total filtration</td>
<td>2.7 mm Al</td>
</tr>
</tbody>
</table>

Spare battery optionally available

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

Specifications subject to revision without notice

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