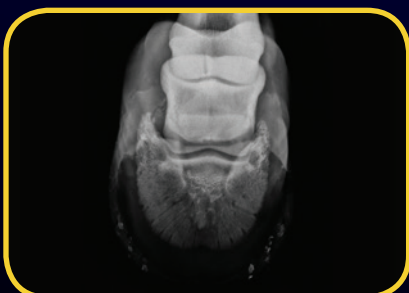


# TR90B BATTERY POWERED



High output, low weight and hundreds of exposures from a single battery charge, packaged in one of MinXray's most durable designs – the **TR90B Tough Ray Battery Powered** portable x-ray unit. Compact but powerful, field tested and field ready, features of the **TR90B** include:

- Long lasting, quick change lithium ion battery
- Unique High Power Mode - up to 50% increase in output at 82-90 kVDC settings
- Ideal output and features for use with digital or film imaging systems
- Backed by industry leading warranty

## MINXRAY<sup>®</sup> INC.

Where you care, we're there.

# TR90B BATTERYPOWERED

<b>ELECTRONIC DESIGN</b>	Computer controlled, high frequency converter
<b>X-RAY OUTPUT</b>	20 mA@40-60 kVDC, 15 mA@62-80 kVDC, 10 mA @82-90 kVDC, +15mA@82-90 kVDC in High Power Mode
<b>INPUT POWER</b>	Rechargeable lithium ion battery
<b>BATTERY TYPE</b>	60 VDC
<b>TIMER</b>	0.01-1.00 (+0.01-.30) 0.01 sec steps
<b>INTERNAL POWER SUPPLY</b>	Pulse Frequency Modulation High Frequency Inverter System
<b>X-RAY TUBE</b>	Toshiba D-0814
<b>FOCAL SPOT SIZE</b>	0.8 mm
<b>ANODE HEAT STORAGE</b>	9.86 kHU (7kJ)
<b>COLLIMATOR</b>	Mikasa Model R-300V, continuously adjustable light beam type with adjustable dual integrated laser pointers to indicate central ray and distance in bright ambient light conditions
<b>LP4 LASER POINTERS</b>	Class IIIa; laser diode; max. output less than 3.0 mW, wavelength 635 nm
<b>EXPOSURE SWITCH</b>	Two stage deadman type with RJ11 connector
<b>EXPOSURE CORD</b>	8 ft (2.4 m)
<b>SIZE</b>	7.48 x 6.89 x 9.84 in (18.0 x 17.5 x 25.0 cm)
<b>WEIGHT</b>	15.0 lb (6.8 kg)
<b>DR INTERFACE</b>	RJ45 connector
<b>BATTERY CHARGER</b>	85-264V (AC, 50 Hz/60Hz)
<b>BATTERY CHARGE METHOD</b>	Constant Current: 2000 mA +/- 10% Constant Voltage: 16.8V +/- 200mV



## Ordering Information

### TR90B Tough Ray Battery Powered High Frequency Portable X-ray Unit

**TR90B Tough Ray Battery Powered** x-ray unit 20-10mA @ 40-90 kVDC with lightbeam collimator and integrated adjustable dual laser pointers, exposure switch and cord, one lithium ion battery with AC charger and protective carrying case.

### X100S

Tripod stand

### X100SCC

Carrying bag for X100S tripod

### TR90-RB

Replacement battery for **TR90B**

**For more information about MinXray products, contact your local dealer or MinXray at:**

**MinXray, Inc.**  
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Northbrook, Illinois 60062 USA  
1-847-564-0323

**Toll Free:** 1-800-221-2245 (U.S. & CA.)  
**E-mail:** info@minxray.com  
**Web:** www.minxray.com

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