

Product description

eRaptor 2.0 is a high-performance and portable device designed for detecting leaks and porosity in non-conductive coatings. Engineered for fast and efficient flaw detection across various applications, the eRaptor 2.0 is available in three versions with different functionalities: PRO, PRO GPS, and PRO RTK. The device features cutting-edge technology combined with intuitive controls and a robust design, ideal for professionals who demand maximum precision and reliability.

Key features of all versions

1.

Built-in electronics

All electronics are fully integrated into the device, enhancing durability and reliability.

2.

Display

A full-color, high-brightness IPS display with adjustable brightness and the option to switch between Dark/ Bright mode for enhanced visibility in various lighting conditions.

3.

Weight and precision

The device weighs 3.0 kg for all versions and has compact dimensions of 1,000 mm x 1,637 mm x 245 mm.

4.

Power and battery

Equipped with a built-in rechargeable lithium battery with a capacity of 95Ah.

5.

Charging (USB-C)

Easy charging, just like with mobile phones. No more forgotten dedicated chargers—simply use a standard USB-C adapter. Designed by professionals for professionals.

6.

Grounding

The device comes with a 150 m grounding cable, providing high flexibility in the field.

7.

Calibration certificate

Each device is supplied with a calibration certificate for maximum accuracy and quality assurance.

8.

Safety

Grounding protection ensures that the device contains no electrically conductive components within the user's reach.

9.

Smart features

Includes automatic shut-off during inactivity, customizable alarm sounds, reverse charging capability for other devices, and transport mode for safe travel with the battery.

10.

Graphic prompts

Advanced graphic prompts on the display in case of any issues.

11.

Accessories, connectivity options

Bluetooth and Wi-Fi connectivity, updatable firmware, advanced management options via mobile app.



Differences between versions

PRO

- Basic version of the eRaptor 2.0 device.
- Battery capacity of 95Ah, but battery life is 30% shorter compared to PRO GPS and PRO RTK models (approximately 14 hours of use).
- Charging via USB-C.

PRO GPS

- Battery life up to 20 hours on a single charge with the same 95Ah capacity.
- Fast charging with higher power (20V / 1.2A) compared to the PRO version. Supports reverse charging (can charge devices such as mobile phones).
- Quick 5-minute charge provides an additional 25 minutes of usage. The mobile app includes enhanced features, such as GPS coordinate recording with up to 2 meters of accuracy and automatic report generation.

PRO RTK

- Equipped with RTK antennas for highly accurate GPS coordinate recording with up to 5 cm precision.
- Upgraded mobile app for detailed data analysis and management in the field.



Technical specifications

	PRO	PRO GPS	PRO RTK
• Name	eRaptor 2.0 PRO	eRaptor 2.0 PRO GPS	eRaptor 2.0 PRO RTK
• Weight (device)	3.0kg	3.0kg	3.0kg
• Dimensions (device)	1,000mm x 1,637mm x 245mm	1,000mm x 1,637mm x 245mm	1,000mm x 1,637mm x 245mm
• Battery capacity	95Ah	95Ah	95Ah
• Battery life (single charge)	Up to 14 hours	Up to 20 hours	Up to 20 hours
• Charging	20V / 0.8A	20V / 1.2A (fast charge)	20V / 1.2A (fast charge)
• USB-C charging	Yes	Yes	Yes
• Fast charging (5 minutes)	No	Provides an additional 25 min	Provides an additional 25 min
• Reverse charge	No	Yes	Yes
• Connectivity	Bluetooth, Wi-Fi	Bluetooth, Wi-Fi	Bluetooth, Wi-Fi
• Mobile app	Basic functions	GPS coordinate recording, report management	RTK GPS, report management
• GPS accuracy	-	Up to 2m	Up to 5cm
• Grounding	150m cable	150m cable	150m cable
• Protection	Grounding control	Grounding control	Grounding control
• Display	Full-color IPS, 1,000 nits	Full-color IPS, 1,000 nits	Full-color IPS, 1,000 nits
• Calibration certificate	Yes	Yes	Yes
• Ergonomics	Airy, ventilated handle	Airy, ventilated handle	Airy, ventilated handle

Accessories

Included eRaptor PRO	Name	Weight
	• Electrodes 1,000mm	670g
	• eCable 150	2,920g
	• USB-C charger 35W with cable 2m	240g
	• Protective IP68 case	9,600g
	• Calibration certificate	
Optional	• Mobile app ① ②	
	• RTK kit ②	940g
	• Tripod ②	9,300g
	• eHolder ②	
	• eCable 6	130g
	• Electrodes 1,500mm	840g
	• Neoprene electrodes with wheels	2,410g
	• Marker 15mm	50g
	• Large refill for markers	100g
	• Replacement tips for markers 15mm	25g
	• eListex conductive underlay	7,300g

Packaging dimensions and weight

eRaptor PRO and PRO GPS

- **eRaptor:** 1,160 mm x 435 mm x 175 mm 13,500 g
- **eCable 150:** 375 mm x 300 mm x 195 mm 3,300 g

eRaptor PRO RTK

- **eRaptor:** 1,160 mm x 435 mm x 175 mm 13,500 g
- **eCable 150:** 375 mm x 300 mm x 195 mm 3,300 g
- **RTK kit:** 280 mm x 275 mm x 95 mm
- **Tripod:** 1,040 mm x 180 mm x 180 mm
- **eHolder:** 145 mm x 115 mm x 75 mm

Certifications and approvals

- **ASTM Standards:**
D7953
D7240
- **CE Approved**
- **RoHS Compliant**

Legend ① Included PRO GPS ② Included PRO RTK

Warranty: 4 years. Valid only with regular calibration.