ELISTECH
GEOMEMBRANE LEAK DETECTION

eRex

Datasheet US 11/02/2025

Product description

The eRex is an ultra-portable Arc-Tester designed for detecting leaks in exposed geomembranes, roofs, pools, and pipeline systems. With its lightweight construction (1.5 lbs), quick setup (magnetic electrode connectors), and intuitive operation (single-button control), the eRex offers a reliable solution for professionals in roofing, waterproofing, pipeline installations, and pool maintenance.

Key features

1. Compatibility with various materials

PVC, TPO, HDPE, LDPE, bitumen, rubber, and other non-conductive surfaces (up to 7 mm thick).

2. Quick setup

Magnetic connectors for electrode attachment and simple one-button operation.

3. Built-in battery

Built-in 2 Ah battery with over 1.5 hours of runtime per charge, rechargeable via USB-C.

4. Safe operation

Designed to prevent electric shock during use; includes grounding verification.

5. Lightweight and portable

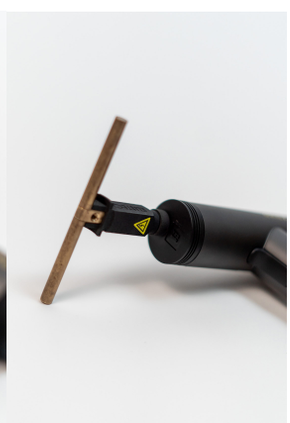
Only 1.5 lbs with a robust, durable body.

6. Visual signaling

Alerts for detected leaks through graphical and light indicators.

Brass brush

Weld tester



T-electrode

Application areas

Roofs

- Rapid detection of leaks in non-conductive waterproofing layers (PVC, TPO, EPDM, bitumen, EVA / EBA, FPO).
- Inspection of critical areas such as parapets, valleys, penetrations, and other sensitive points.
- Prevention of extensive damage to roofing structures.

Pools

- Accurate identification of damages in pool liners (PVC, TPO, EPDM) and epoxy/PU coatings in concrete pools.
- Reliable leak testing before filling with water and during maintenance.
- Easy inspection in complex joints and hard-to-reach areas.

Pipelines

- “Holiday/Pinhole” detection of pores and micro-cracks in protective coatings (epoxy, polyurethane, PE).
- Prevention of corrosion and leaks of liquids or gases.
- Quick and efficient deployment in the field.

Geomembranes

- “Holiday/Pinhole” detection of pores and micro-cracks in protective coatings (epoxy, polyurethane, PE).
- Prevention of corrosion and leaks of liquids or gases.
- Quick and efficient deployment in the field.

Elis Tech s. r. o.
info@elis.tech
www.elis.tech

© Elis Tech s. r. o.

Živnostenská 2
811 06 Bratislava
Slovakia

ELISTECH
GEOMEMBRANE LEAK DETECTION

eRex

Datasheet US 11/02/2025

Technical specifications

Name	eRex
Weight (device)	10oz
Dimensions (device)	7.9in x 4.7in x 5.5in
Battery capacity	2,000mAh
Battery life (single charge)	90 min
Charging	5V / 1A
USB-C charging	Yes
Grounding	6m cable
Protection	Grounding control
Ergonomics	Lightweight, hand-conforming grip

Accessories

	Name	Weight
Included	T-electrode	3.5oz
	Brass brush	3.5oz
	Weld tester	2.1oz
	USB-C cable 20cm	0.3oz
	Fixing bolt	0.2oz
	eCable 6	4.6oz
	Protective case	5.6oz
Optional	eCable 150	6.5lbs
	Marker 15mm	0.7oz
	Large refill for markers	3.5oz
	Replacement tips for markers 15mm	0.9oz

Certifications and approvals

- **ASTM Standards:**
  D7953
  D7240
- **EN Standards:**
  EN 61010-1:2010 / A1:2019 / AC:2019-04
  EN 61010-031:2015
  EN IEC 61010-2-034:2021 / A11:2021
  EN 16326-1:2013
  EN 55011:2016 / A1:2017 / A11:2020
- **CE Approved**
- **RoHS Compliant**

Packaging dimensions and weight

eRex:	6.7 in x 6.7 in x 3 in	1.7 lbs
eCable 6:	6.7 in x 4.5 in x 2 in	6 oz
Weld tester:	7.3 in x 4.3 in x 1 in	3 oz

Conclusion

The eRex is a reliable and versatile device designed for rapid leak detection and quality control of welds and coatings. Its lightweight portability, intuitive operation, and safe performance make it an ideal choice for professionals across various sectors, including roofing systems, pools, pipelines, and geomembranes.

Elis Tech s. r. o.
info@elis.tech
www.elis.tech

© Elis Tech s. r. o.

Živnostenská 2
811 06 Bratislava
Slovakia