MEDICAL INSTRUMENTS · NEAR-INFRARED VEIN VISUALIZATION SYSTEM

Ravaye™ E2 Vein Finder

Light, bringing clarity to care.

MODEL	VERSION	DOCUMENT	CLASSIFICATION
PM-VF-100	**Poly2025 (Edition 2)**	**PM-VF-100-TDS V1**	**Class I medical device**

Optical and imaging

Detection method	Near-infrared illumination, 760–940 nm
Detection depth	0–10 mm (superficial vasculature)
Optimal working distance	20–26 cm
Position / resolution accuracy	±0.3 mm
Patient interface	Non-contact, no consumables



Projection and display

Projection technology	DLP projection onto skin
Projection colors	12 selectable
Projection sizes	3 — large, medium, small
Brightness / inverse mode	6 levels · inverse selectable
Display modes	9 — default, enhance, hair-removal, guide-line, 5 color-mix
User interface	LCD menu · power, sleep, OK, 4-way navigation keys

Power and battery

Battery	Rechargeable lithium-ion, 4,900 mAh
Operating duration	Approx. 3.5 hours
Charging / adapter	USB-C · 5 V, 4.5 A · input 100–240 V AC, 50/60 Hz
Status indicators	Blue = normal · green = charged · red = charging
Auto sleep / shutdown	10 min / 35 min idle (adjustable)

Physical

Weight	450 g
Dimensions (L × W × H)	24 × 6 × 6.5 cm
Working noise	≤ 35 dB
Mounting	Handheld or optional stand

Package contents and accessories

- Ravaye™ E2 Vein Finder main unit
- USB Type-C charging cable
- Charging adapter (100–240 V input)
- Aluminum carrying case
- Calibration card
- User manual, product certificate and warranty card
- Optional: table stand with mobile base; mobile stand with articulated arm

Care, cleaning and verification

- Wipe the exterior with a lint-free cloth and 70% isopropyl alcohol; air-dry before use
- Do not autoclave, heat- or pressure-sterilize, or immerse
- Do not open the casing — authorized service personnel only
- Verify against the supplied calibration card before first use and periodically per facility procedure

Clinical limitations

- Displays superficial vasculature within 0–10 mm only; image quality varies with anatomy, vein depth, skin condition, tattoos, hair, scars, ambient light and device angle
- Not for vein-depth or blood-flow measurement, vascular diagnosis, ophthalmic use, or as the sole method of vein location

Regulatory, quality and warranty

Certifications	ISO 13485:2016 · ISO 9001:2015 · ISO 14001:2015 · ISO 45001:2018
India	CDSCO Class A medical-device registration
European Union	CE marking under the Low Voltage Directive 2014/35/EU
United States	FDA Registered Establishment and Device Listed, Class I, 510(k)-Exempt
Classification	Class I medical device
Manufacturer	Polymatech Electronics Limited, Plot No. OZ-13, SIPCOT Hi-Tech SEZ, Oragadam, Sriperumbudur Village, Kanchipuram District, Tamil Nadu 602 105, India
Warranty	1 year standard; 2 years when registered within 7 calendar days of purchase at www.nisene.com/register-product (products sold for use in the United States)

Enquiries

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Ravaye™ E2 assists qualified healthcare professionals in visualizing certain superficial veins. It is not a diagnostic device and does not replace clinical judgment, standard venipuncture practice, palpation or confirmation of vessel suitability. Successful venous access is not guaranteed; the projected image is an aid only. Specifications are subject to change without notice.