

MEDICAL INSTRUMENTS · NEAR-INFRARED VEIN VISUALISATION SYSTEM

Ravaye™ E2 Vein Finder

Light, bringing clarity to care.

MODEL

PM-VF-100

VERSION

Poly2025 (Edition 2)

DOCUMENT

PM-VF-100-TDS-SG V1

CLASSIFICATION

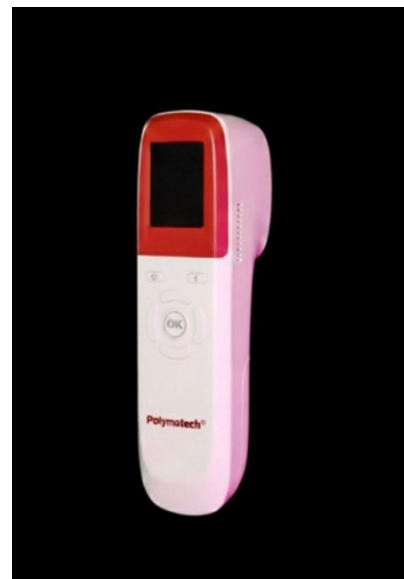
Class I medical device

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 colours	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 colour-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)
- Aluminium 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-sterilise, or immerse
- Do not open the casing – authorised 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

Manufacturer	Polymatech Electronics Limited, India
Supplied in ASEAN by	AEIM Pte. Ltd., 163 Kallang Way, #04-18, Mapletree Hi-Tech Park, Singapore 349256
ASEAN supply	Each country of supply has its own medical-device requirements: Singapore, Health Sciences Authority (HSA); Malaysia, Medical Device Authority (MDA); Indonesia, Ministry of Health (Kemenkes); Vietnam, Ministry of Health. Products are supplied in each country only in accordance with that country's requirements. Availability and registration status differ by country; please contact sales@aeimglobal.com.
Manufacturer certifications	ISO 13485:2016 · ISO 9001:2015 · ISO 14001:2015 · ISO 45001:2018
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
India	CDSCO Class A medical-device registration
Classification	Class I medical device
Warranty	1 year standard; 2 years when registered within 7 calendar days of purchase at www.aeimworld.com/register-product.html . Claims: service@aeimglobal.com (products supplied in ASEAN by AEIM)

Enquiries

Sales: sales@aeimglobal.com · Service: service@aeimglobal.com · info@aeimglobal.com · www.aeimworld.com

Ravaye™ E2 assists qualified healthcare professionals in visualising certain superficial veins. It is not a diagnostic device and does not replace clinical judgement, standard venepuncture 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.