



Introducing the world's most versatile portable microscope.

Revolutionary in design, portability and application - at a price that's accessible to everyone.

The Em1 is simple to set up in seconds and used in numerous industries, from tropical disease diagnosis and forensic sciences to class-based experiments in schools.



x400 x600 x1000

Em1 Portable Microscope

The Em1 is our flagship portable microscope - It is incredibly compact, rugged, lightweight and powerful - offering up to x1000 magnification with fully integrated LED lighting.

High-resolution digital images can be captured using any smartphone and camera accessories.



With sales in over 30 countries, the Em1 is the result of years of award-winning design and rigorous field testing. The Em1 is used by both professionals and amateurs in traditional settings and laboratories, as well as some of the world's most challenging environments.



Ultra compact

154 x 122 x 64mm and light at just 480 grams



1,000 hours

Exceptional battery life of up to 1,000 hours



x100 - x1000

Sharp, high quality images at all magnifications



Precision optics

High quality, precision ground Schott glass optics



Accessories

A range of accessories for phones and cameras



Mountings

Two standard tripod mounting points for stability



ARCHIMEDES RESEARCH

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Joint Winner:

Commonwealth Digital Health Awards 2020 - Telemedicine & Telecare.



sales@em-microscope.com



www.em-microscope.com



Specification

- Inverted monocular design
- 3D folded optical path
- RMS standard optical tube length
- Miniature objectives corrected for 0.17mm cover slip
- Rotating objective carrier holds up to three objectives
- Em1 400 = x10 N/A 0.25 and x40 N/A 0.65
- Em1 600 = x10 N/A 0.25, x40 N/A 0.65, x60 N/A 0.80
- Em1 1000 = x10 N/A 0.25, x40 N/A 0.65, x100 oil N/A 1.25
- Standard RMS eyepiece x10 wide field
- Fine focusing attachment
- Built-in white LED illumination
- Variable illumination
- External USB power socket
- Built in battery power saver
- Battery life approx. 1,000 hours at minimum continuous power
- Battery life approx. 300 hours at maximum continuous power
- 2 x standard photographic tripod mounting bushes
- Micrometer XY slide indexer as standard with interchangeable slide clips
- Cavity (fluids) slide supplied as standard
- Digital camera attachable
- Mobile phone camera attachable
- Die-cast, CNC machined optical sub-chassis
- Hardened bearing surfaces
- Die-cast aluminium stage
- Injection moulded rubber coated PC/ABS case
- Minimum weight - (Em1 400 with slide clips, USB power, no batteries) 480 grams
- Size (main body) – Length 133mm, width 110mm, height 49mm
- Size (max overall) – Length 154mm, width 122mm, height 66mm

Applications

➤ **Tropical Diseases**

➤ **Healthcare / Medicine**

➤ **Scientific Education**

➤ **Water Sanitation**

➤ **General Microscopy**

➤ **Entomology**

➤ **Veterinary Pathology**

➤ **Micro Photography**

➤ **Policing / Forensics**

➤ **Military**

➤ **Environmental**

➤ **Field Sciences**

