

Warranty

- **Scopes & Lights** - 3 years for any component defect or manufacturing failure.
- **Power Pack** - 18 months for any component defect or manufacturing failure.
- Warranty does not cover abuse, misuse, transit damage or normal wear and tear.
- Please contact VorOtek prior to sending for repair.

Environmental Conditions

- Operation: 10-35°C; 30-75% Humidity; 700-1060 hPa
- Storage: 5-45°C; 45-80% Humidity; 500-1060 hPa
- Transport: -20-50°C; 45-80% Humidity; 500-1060 hPa

Disposal

- VorOtek Scopes and Lights must be recycled or disposed of as separated electrical and electronic devices. Please observe the relevant country or state-specific disposal regulations.

Notices & Precautions

- Should a serious incident occur while using the device please report the incident to the manufacturer (VorOtek) and the competent authority of the Member State in which the user and /or patient is established.
- Caution: Only to be used by qualified health professionals.
- Caution: Do not use in the presence of flammable anaesthetics.
- Caution: Do not expose electrical equipment to liquids or excessive moisture.



VOROTEK

23 Point Henry Road
MOOLAP VIC 3224, Australia
T +61 3 5248 5809
E office@VorOtek.com.au
www.VorOtek.com



EMERGO EUROPE
Westervoortsedijk 60,
6827 AT Arnhem
The Netherlands

ENDOLight

PORTABLE LED ILLUMINATION FOR ENDOSCOPES

Technical Manual

LED Illumination

- The VorOtek ENDOLight contains high efficiency LED (Light Emitting Diodes) rated at 50,000 hours operating life.
- 5,700 Degrees Kelvin Colour Temperature (Daylight).
- Colour Rendering Index: CRI 75.
- Caution: Hot surface. Avoid direct skin contact with aluminium heat sink during extended periods of use.
- Caution: Do not look directly into the LED Light.

Adaptors

- Storz use VLEL-AS adaptor. Also fits Medtronics & Wolf. Note:



To correctly fit VorOtek Storz ENDOLight Adaptor, please remove threads No. 1 & 2 first.

- Olympus use VLEL-AO adaptor.



OLYMPUS STORZ

- Fits directly to Pentax; no adaptor required.

Power Pack

- Power Packs are Lithium Ion: 11.1 Volts, 2,900 mAh.
- The Power Pack provides 10hrs of “on time”.
- The Power Pack features short circuit protection and charging control circuitry.
- Two position switch - ON/OFF.
- Designed to be worn in the breast pocket or to be clipped to a belt. It can also be clipped to the back of a surgical gown.
- Caution: Do not expose the Power Pack to heat, fire or mechanical shock.
- Caution: Do not open or dismantle the Power Pack.
- Caution: Only use approved Power Packs supplied by VorOtek.

Charger - Charging Power Pack

- Connect Power Pack to Charger.
- The Power Pack can be charged in either the ON or OFF position.
- RED INDICATORS – Charging (takes up to 5 hours).
- GREEN INDICATORS – 100% Charged.
- Charging is best done overnight, frequently and before the Power Pack runs flat.
- Caution: Use the supplied 12.6V Charger only.
- Caution: Do not attempt to operate the Charger if the cord and/or plug appear to be damaged.
- Caution: Do not use Charger in the patient vicinity.

Troubleshooting

LED illumination cuts out and resets repeatedly

- The LED illumination does not fade, but the protective circuit breaker keeps switching off (and resetting) when the Power Pack requires recharging. See section on ‘Charger’.
- LED’s rarely need replacing, but if this is necessary it must be done by VorOtek.

Power Pack will not charge

- See section on ‘Charger’.

For all other questions contact VorOtek.

Cleaning

- Unplug the VorOtek Scope or Light from power source prior to cleaning.
- Visually inspect the VorOtek Scope or Light for soiling.
- Remove all visible soiling by first wiping external surfaces & cables with a soft cloth slightly dampened with mild detergent and water (mixed to the manufacturer’s instructions).
- Wipe all external surfaces, using a soft cloth slightly dampened with 70% isopropyl Alcohol (IPA).
- Allow all surfaces to air dry for at least 60 seconds.

- Re-wipe all surfaces with a lint free soft cloth to remove any residue from cleaning products.
- Ensure all surfaces & cables are dry before operating the VorOtek Scope or Light.
- Caution: Do not immerse or saturate any component of the VorOtek Scope or Light in a cleaning solution.
- Caution: Do not autoclave any component of the VorOtek Scope or Light.

Maintenance

- Caution: No modification of this device is allowed.
- Before every procedure, carefully inspect the VorOtek Scope or Light to ensure it is fully functional. DO NOT use if inspection reveals any damage.
- The VorOtek Scope & Light Range does not require any other routine maintenance.
- For repair or warranty, refer to the support & repair page on VorOtek’s website.