



TREATMENT OF PAIN, MUSCULOSKELETAL
INJURIES & SKIN CONDITIONS FOR ANIMALS



INSTRUCTIONS FOR USE





Thank you

Thank you and congratulations on your purchase!
You are now the proud owner of a Photizo Vetcare.
You can expect years of smooth, trouble free, and
optimal operation of the Photizo Vetcare.

Great effort, thought, dedication and research has been
put into bringing you this amazing, high quality device.
We pray that this device will assist you in your animal's
healing, pain relief and general health, as many others
have experienced.

We are proud to be your new partner on the road to
wellness. Please visit our website for more information:
www.photizo.net.

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INTRODUCTION

Throughout the ages, sunlight (as the earliest form of phototherapy) has been known to have both healing and wellness properties. Light is energy, and energy sustains life - it cannot be destroyed, but it can be transformed into other forms.

Light Emitting Diodes (LEDs) do not deliver enough power to damage the tissue, but they do deliver enough energy to promote natural self-healing and pain relief. With its power output optimized to be most effective, the LEDs provide a much gentler delivery of the same healing wavelengths of light as laser, but without the risk of accidental eye damage that lasers have.

The Photizo Vetcare is an LED device that emits red and infrared light that penetrates the skin to stimulate energy production and other metabolic processes in targeted areas. Infrared light is one of the only physical therapies that act to create a healing effect. Cells that are injured can actually be rejuvenated by light.

LEDs are merely convenient devices for producing light at specific wavelengths, and several studies established that it is the light itself at specific wavelengths that is therapeutic in nature. All biological systems have a unique absorption spectrum that determines which wavelengths of radiation will be absorbed to produce a given therapeutic effect. The visible red and invisible infrared portions of the spectrum have been shown to have highly absorbent and unique therapeutic effects on living tissue.

LEDs also allow the light beam to spread out instead of being a pinpoint light beam. The wide-angle diffusion of the LED confers upon it a greater ease of application, since light emissions are thereby able to penetrate

a broader surface area, and this results in a faster treatment time for a given area than laser.

The Photizo Vetcare provides one-touch, pre-programmed, effective dosages of near infrared LED light for the treatment of many painful and inflammatory conditions. Photizo Vetcare ensures that the effective amount of joules/dosages for specified conditions are delivered precisely and effortlessly.

CONTRA-INDICATIONS AND PRECAUTIONS

Please note that the Photizo Vetcare must be seen as an ancillary treatment modality, used in conjunction with medical treatment, and that the manufacturers and distributors of the Photizo Vetcare always advocate the use of the device under supervision of a clinician.

The Photizo Vetcare is not intended as a replacement for standard medical procedures, medication and/or treatment. The manufacturers and distributors of the Photizo Vetcare can in no way be held responsible for any damages, losses or injuries incurred using the device outside the advocated guidelines and protocol treatments.

Please also note that not all conditions will benefit in a similar fashion from light therapy. Do not rely solely on the Photizo Vetcare and do not discontinue the use of other medications, antibiotics or antifungal treatments.

- Cancer: Light therapy does not cure or cause cancer. Do not use light therapy on any cancer or suspected cancerous mass. Light therapy cannot cause cancer – no mutational effects have been demonstrated for LED-based light therapy devices in

any medical or scientific literature to date. The light produced by Photizo Vetcare is infrared and near infrared, non-ionizing light and is at the opposite end of the light spectrum to harmful ultraviolet (UV) light. The Vetcare is, however, useful in treating many of the side effects of cancer treatment, such as mucositis, a painful side effect of chemo and radiation therapy.

- Pregnancy: The effects of red or infrared light therapy have not been tested in pregnancy. While the fetus cannot be negatively influenced by light, we would not recommend using the Photizo Vetcare on areas directly over the developing fetus.
- Epilepsy: Some studies suggest that pulsed visible light at frequencies in the 5-10 Hz ranges may induce seizures. The Photizo Vetcare does not pulse in the 5-10 Hz range, however anyone with seizure disorders should avoid looking directly at the light beam emitted from the probe as a preventative measure.
- Do not over-treat; it will not result in faster healing or pain relief. Excessive daily use may result in over-stimulation and delayed healing (inhibitory effect).
- In some patients with chronic conditions, initial treatment with light therapy might cause some slight discomfort. This is due to the body's response to start the healing process. This is not a cause of concern, and treatment should be continued.
- No eye protection is needed, but as the light is very bright, do not look directly into the emitted light.
- Please do not discontinue your medications and health-care practitioners prescriptions. Photizo Vetcare treatment is a complimentary treatment, assisting and stimulating the cells to speed up the healing processes, relieve pain and muscle spasms.

- Please take into account that after treatment, you may have a false picture of health. Do not overuse the area treated.

SAFETY PRECAUTIONS

- The device is not waterproof so do not use around water as contact with water could cause electric shock. Do not store or place near a sink, bath, toilet or any other place where it may come into contact with water.
- Never immerse or clean the unit with water. Always use a soft dry cloth.
- Only use on clean and dry skin as the electronics may be damaged when exposed to water.
- Handle and store the Photizo Vetcare with great care as it has built-in electric circuitry.
- Storing an unused Photizo Vetcare for an extended period should be done with a battery fully charged otherwise it may result in a damaged battery.

It is safe to use Photizo Vetcare on:

- Growth plates in animals.
- Patients with metal implants.
- Patients using anti-clotting medications.
- Diabetics. Light therapy will greatly assist in treating complications of diabetes.

PREPARING FOR TREATMENT

Cleaning, maintenance and storage

The Photizo Vetcare should be cleaned before and

after use with the aid of a clean cloth and non-abrasive cleaner if required. The Photizo Vetcare should always be stored in a safe, dry area, preferably within the carry bag provided. Care should be taken when working with the device and it should not be operated or immersed in water.

Clean the skin before the application of treatment, as debris may block the light. Clean the probe as directed before treatment commences.

HOW DO I ADMINISTER TREATMENT?

Please read the contra-indications and precautions and safety precautions sections in the instructions for use before you start using this product.

Please remember to clean the Photizo Home Care before and after use with the aid of a clean dry cloth and non-abrasive cleaner if required.

- Place the probe in direct contact with the skin, on the area to be treated, and press the power button. The unit will beep twice. When treating open wounds the probe should not touch the skin.
- Keep the probe in position until the unit beeps twice again. It switches off automatically. This indicates one dose. If double or triple dosages are needed (see table below), keep the probe in position and repeat the dose as directed.
- Shift the probe to the next spot. Press the power button again.
- Repeat until the entire affected area has been covered.
- Only press the power button once the probe is in position. The small power button LED above the

power button will indicate if the unit is busy with a cycle with a green light.

- Holding the probe against the skin ensures maximum penetration depth. When treating open wounds the probe should not touch the skin.
- The body does not build up resistance to light therapy and therefore treatments can be ongoing.

CONDITIONS AND TREATMENT:

Photizo Vetcare is intended to treat:

- Domestic animals –dogs and cats
- Large Livestock – cattle, sheep, goats, pigs, bucks, etc.
- Horses

Photizo Vetcare relieves pain, stimulates cells to repair and heal, reduce swelling and inflammation, and stimulate the immune system in acute traumatic conditions. Photizo Vetcare is effective in treating chronic pain and inflammatory conditions associated with arthritic conditions and overuse injuries.

Photizo Vetcare stimulates healing, relieves pain, swelling and inflammation, reduces muscle spasms, and increases the blood and lymph vessel diameter, to ensure clearing of waste products and inflow of oxygen, nutrients and medication concentrations in the areas treated.

- Skin conditions: wounds, lacerations, hyalomoma tick bite necrosis, hot-spots, abscesses, saddle sores, habronema, proud flesh, acral lick granulomas, bruising, otitis externa, pyoderma, pododermatitis, skin allergies, eczema, etc.
- Musculoskeletal problems: Arthritis, tendonitis,

myositis, ligament/tendon sprain/strains, bruising, fractures, neck and back pain, splints, overuse injuries, synovitis, edema, hematomas, muscle injuries, muscle spasms, trigger points, seromas, mastitis, etc.

- Post-op: any area treated surgically, including skin grafts.
- Other: Corneal ulcers, viral/herpes-related conditions, sinusitis, retro-orbicular trauma.

Please study the following treatment guidelines and operating instructions before using the Photizo Vetcare to ensure optimal and correct usage.

Acute injuries:

Photizo Vetcare stimulates the energy production (ATP) inside the cell, up to 250X, thereby stimulating the cells to function at optimum levels. It further stimulates and regulates the DNA and RNA synthesis - the programs inside the cell - to follow the correct healing process, and regulates scar tissue/proud flesh formation. This speeds up the natural healing process by up to 30-40%, and reduces the likelihood of excess scar tissue formation and complications. Photizo Vetcare stimulates endorphin and serotonin secretion. This is the body's own pain and relaxing "medication".

Photizo Vetcare effectively reduces the inflammatory process that is caused by damage, injury or overuse and reduces muscle spasms and trigger points. Photizo Vetcare assists in reducing swelling by increasing the blood vessel and lymph diameter to clear excess waste products from the injured or inflamed area. This reduces the pressure and irritation on nerve endings that causes more pain, and increases blood flow into the area, ensuring that the tissues can absorb more nutrients

and oxygen. This also helps to reduce excess wound substrate to reduce the risk of secondary bacterial infections.

The increased blood supply to the area, ensures higher concentrations of topical and systemic medications delivered to the affected area. Photizo Vetcare stimulates the immune cells, to react against infections.

Photizo Vetcare stimulates optimum cell condition (skin, bone, nerve, capsule, cartilage and muscle tissue) to maintain healthy tissue. This may help to prevent degeneration of tissues, like nerves, bone/joints and blood vessels.

Overuse injuries and chronic conditions:

The healing phases of tissue occur in 3 phases, namely the inflammation, proliferation and organization phase. Chronic "injuries" or overuse inflammatory reactions occur when the tissue does not complete this cycle. The tissue stays in the inflammatory phase and does not progress into the proliferation (actual healing of cells and tissues) or organization phase. For these "injuries" to heal, the body needs stimulation of the cell's programs (DNA and RNA), e.g. finalize the inflammation phase and move onto the real healing phase. When the inflammation process organizes into scar tissue formation, it causes adhesions that inhibit the normal "gliding" of muscle and tissue fibers, causing irritation, and further inflammation, turning into a vicious circle.

Photizo Vetcare will relieve muscle spasms, release painful trigger points, reduce the inflammatory processes and relieve pain, thereby breaking the circle, to give the tissue the opportunity to start the healing process if

possible, or in chronic conditions, maintain pain free periods. Please note that treatment with the Photizo Vetcare will not break down the adhesions, but will control the inflammatory processes and discomfort, and reduce the risk of more scar tissue formation.

Always treat directly when the problem starts, as this will help prevent chronic problems. Chronic muscle spasms and trigger points are usually the result of longstanding overuse or reaction muscle protection of the muscle groups, preventing the clearing of waste products, and inflow of nutrients and oxygen.

Chronic Pain: all types of arthritis and irreversible joint damage, chronic muscle spasms, trigger/acupuncture points

- The Photizo Vetcare stimulates endorphin and serotonin secretion. This is the body's own pain and relaxing "medication". (This effect is especially profound in the feline family).
- Effectively reduce the inflammatory process that is caused by damage or overuse. Reduce and relaxes muscle spasms and release tight trigger points. Assist in reducing swelling by increasing the blood vessel and lymph diameter to clear excess waste products from the area affected. This reduces the pressure and irritation on nerve endings that causes more pain. Increased blood flow into the area, ensures that the tissues can absorb more nutrients and oxygen.
- Reduces the conduction speed, and the irritability of the pain conducting nerve.
- Effectively reduce muscle spasms and release tight trigger points.
- Stimulate optimum cell condition (bone, nerve,

capsule, cartilage and muscle tissue) to maintain healthy tissue. This may help to prevent further degeneration of tissues like nerves, bone/joints and blood vessels.

- Treatment on the acupuncture points have excellent treatment outcomes.

DOSE APPLICATION FOR DIFFERENT ANIMAL CLASSES:

Conditions groupings	Domestic animals	Large livestock and horses
Skin problems	Single dose	Single dose
Superficial muscle/tendon/ligament	Single dose	Double dose
Deep muscle/tendon/ligament	Single dose	Triple dose
Joint and bone problems	Single dose	Double dose

Soft tissue problems: muscle, tendon, fascia and ligaments:

Acute Injuries:

Start treating the injured and painful area once (1) daily, for ten (10) days. Thereafter, if the conditions still prevails or the animal still experiences discomfort, treat two (2) to three (3) times a week. In cases of acute pain, you may treat twice (2) daily for two (2) to three (3) days, but revert back to once (1) daily for ten days

If muscle spasm and painful trigger point are present, include these areas in the treatment. Treatment of the

acupuncture points are also indicated, and has good treatment outcomes.

Chronic and overuse problems:

Treat affected areas once (1) daily for five (5) to seven (7) days; thereafter revert to treatment two (2) to three (3) times a week for up to three (3) weeks. If some discomfort is still noticeable, revert to treatment once (1) a week. If the problem persists, please re-evaluate the condition, or refer to a veterinary surgeon.

Mastitis:

Livestock: Treat directly over the affected udder, with double dosages two (2) to three (3) times a week, until the condition clears. Do not discontinue topical or systemic medications.

Domestic animals: Treat affected area, once (1) daily until condition clears.

 Wounds, lacerations, hyaloma tick bite necrosis, hot-spots, abscesses, saddle sores, habronema, proud flesh, acral lick granulomas, bruising, otitis externa, pyoderma, pododermatitis, skin allergies, eczema, etc.

- Acute injuries: Start treatment as soon as possible to stimulate cell repair. Treat all acute skin injuries daily until healed.
- Chronic skin problems: Treat once (1) daily for five (5) to seven (7) days, thereafter treat twice

(2) weekly. You may reduce treatment when the condition stabilizes to once (1) weekly, to sustain healthy skin.

- Infectious conditions, e.g. abscesses, hot spots, habronema, coryne bacteriosis, etc.: Treatment with the Photizo Vetcare, is not a replacement for antibiotics or other prescription medications, but will assist in the healing process by stimulating the immune system, speed up the healing, and help medications to be delivered to the affected areas. Surgical drainage of the abscesses are in some cases indicated, before optimum treatment will be effective.

Joint problems, bone bruising, stress fractures and cartilage injuries:

- Acute injuries: Start treatment as soon as possible. Cover the whole joint line or area injured. Treat daily for ten (10) days, and revert to treatment three (3) times a week until healed.
- Chronic joint conditions such as arthritis, hip dysplasia: Treat once (1) daily for five (5) to seven (7) days to reduce the inflammatory process and control pain. Thereafter, treat two (2) to three (3) times a week for two (2) weeks. Reduce treatment frequency when the condition stabilizes to once (1) weekly. Cover the whole joint line, front, sides and back.

Deep tissue bruising and hematomas:

Start treating as soon as possible after the injury occurs, and cover the whole affected area. In cases where edema is present, also treat the proximal lymph nodes, to ensure faster drainage of waste products, and protein compound. Treat daily until healed.

Post-operative treatments:

Treat directly after surgery, especially surgery on horses. Treatment will help with the prevention of proud flesh formation. Treat daily for five (5) to ten (10) days.

Treatment benefits include pain relief, faster healing, less scar tissue/proud flesh formation, immune stimulation and swelling reduction.

Other: only recommended treatment by a qualified veterinary surgeon!

Eye injuries, corneal ulcers, viral/herpes-related conditions, sinusitis, retro-orbicular trauma.

Eye injuries: Although the Photizo Vetcare's light is bright, it will not damage the eye, and treatment of eye injuries will enhance healing. If the animal is frightened by the light you may apply treatment from the side of the head, as the light penetrates bone. Treat once (1) daily for five (5) to seven (7) days.

Infectious conditions: e.g. viral/herpes related conditions, bacterial or fungal infections:

Please do not discontinue medication. Treat three (3) to five (5) times a week for four (4) weeks, or until the

condition heals. Photizo Vetcare stimulates the local and systemic immune system, and may cause the body to form anti-bodies against the pathogen.

OPERATING THE PHOTIZO VETCARE

- The Photizo Vetcare can be operated from the internal rechargeable battery or directly from its power supply.
- To switch on, press the power button. The power button LED will come on and the unit will beep twice.
- Once the treatment cycle is finished, it will beep twice and switch off automatically.
- To switch the unit off during the treatment cycle, press and hold the power button in for 1 second. The power button LED may stay on green for a while after the cycle has stopped.
- When using on battery power, the power button LED will be on solid green during the cycle and off when not in use.
- When plugging in the mains power, it will beep once and after a 3 second delay the power button LED will start flashing green. Once the battery is fully charged, the power button LED will stop flashing, and be on permanent green.
- When unplugging the mains power, the unit will beep once and the power button LED will switch off.
- Photizo Vetcare will provide approximately 90 minutes of continuous treatment from each full charge. If you are using the Photizo Vetcare in cold temperatures, please note this can reduce the number of doses provided from each full charge.
- Photizo Vetcare utilizes high capacity NiMH

rechargeable batteries and as with all rechargeable batteries, these will need to be replaced over time. This time varies depending on storage time and level of usage. The capacity will deplete over time and the number of doses between charges will reduce. When the battery capacity reaches a level which is not satisfactory, the internal rechargeable battery can be replaced. Please contact your local distributor who can provide a quote for installing a new battery.

- Storing an unused Photizo Vetcare for more than 3 months should be done with a battery fully charged as it may result in a damaged battery.

TROUBLESHOOTING:

Photizo Vetcare has no customer serviceable parts.

PROBLEM	SOLUTION
Unit beeps twice and does not switch on	Battery needs to be charged
Unit does not charge	Is the charger connected to the unit/plugged in at the mains supply and switched on? All connections secure? Are you using the correct Photizo charger?
The 2 large LEDs don't seem to be on/to be functioning	The LEDs' wavelength lies within the invisible range and thus will not be seen with the naked eye. To confirm if these LEDs are functioning, view them through your cell phone's camera.

SPECIFICATIONS

The device features a light-emitting array with high-power red and infrared light emitting diodes.

Model	Photizo Vetcare
Box dimensions	22.8cm x 9.4cm x 12.2cm
Duration of programs in seconds	31
Power Output	Varies with a peak output of 330mW/cm ²
Coverage Area	4.7cm ²
Wavelengths	633nm red, 850nm infrared
Mains Power	00 ~ 240 VAC
Battery Type	Ni-MH
Battery Voltage	7.2 V DC
Battery Charger	12V, 1A
Charging Time	Max 4 hours
Battery Operating Time	90 minutes continuous use
Unit Weight	280 grams

STANDARD ACCESSORIES

Power supply
Instructions for use
Drawstring bag

OPERATING ENVIRONMENT

- Not suitable for operation in the presence of a flammable anaesthetic mixture of air or with oxygen or nitrous oxide.
- Operating environment: 32°F - 104°F (0°C - 40°C) 700hPa – 1 060hPa
- Storage environment: 4°F – 122°F (-20°C - 50°C) 700hPa – 1 060hPa
- Humidity: 15% - 95% RH
- Equipment class: Class II
- Mode of operation: Pulse and continuous mode

Should you need any assistance or experience product failure, please contact your nearest distributor or e-mail Photon Therapy Systems at: info@photizo.net.



PLEASE NOTE THAT PHOTIZO VETCARE IS NOT A SUBSTITUTE FOR SOUND MEDICAL ADVICE OR TREATMENT, BUT IS AN ANCILLARY, COMPLIMENTARY TREATMENT DEVICE. DO NOT ASSUME THAT ALL CONDITIONS ARE SUITABLE FOR TREATMENT WITH LIGHT THERAPY. PHOTIZO VETCARE IS NOT A DIAGNOSTIC TOOL AND IS NOT INTENDED TO REPLACE MEDICAL TREATMENT.



WARNING!

ONLY USE THE PHOTIZO BATTERY CHARGER SUPPLIED WITH THE UNIT TO CHARGE THE BATTERIES. ANY OTHER CHARGER MAY DAMAGE THE BATTERIES OR THE PHOTIZO VETCARE

WARRANTY

This product comes with a 1-year carry-in warranty from defects in material and workmanship from the original date of purchase, provided original proof of purchase is presented. NO warranty claims stemming from malicious damage, battery leakage, accidental dropping, water damage, or organic solvent damage will be entertained.

Warranty does not include any postage, freight, handling, insurance or delivery fees. Warranty does not cover damage, defect or failure caused by or resulting from accident, external destruction, alteration, modification, abuse, misuse or misapplication of the unit. Additionally, the warranty does not cover damage to the product resulting from return shipping or handling. The use of shipping insurance is recommended.

SYMBOLS USED

	<p>Attention! Please follow the instructions in the user manual.</p>
	<p>This symbol on the unit means "Refer to user manual".</p>
	<p>Serial number: indicates the manufacturer's serial number so that a specific device can be identified.</p>
	<p>WEEE symbol. (Waste of Electrical And Electronic Equipment). Recycling symbol. The WEEE symbol used for this product indicates that the device may not be disposed of as a household product. Properly dispose of the product to help protect the environment. For more information on recycling this product, contact the local competent department, the household waste management company or the store in which the product was purchased.</p>
	<p>This device is not water resistant and should be protected from liquids.</p>
	<p>Attention! Infrared emission not visible.</p>
	<p>It refers to the manufacturer.</p>
	<p>Equipment providing a particular degree of protection against electrical shock, particularly regarding allowable leakage currents and reliability of the protective earth connection (if present).</p>
	<p>This symbol on your device indicates that it complies with the European Community LVD Directive 2014/35/EU and the EMC directive 2014/30/EU.</p>



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