The Laser Watch is an innovative 4-in-1 device that applies the latest research findings in the field of Low-Level Laser Therapy. It combines direct blood irradiation, acupuncture and local (pain) therapy.

The functionality is based on the ability of specific cellular structures (known as photoreceptors) like mitochondria and macrophages to absorb specific wavelengths of light (colors).

The light stimulus triggers cellular signals that affect chemical behavior, metabolism, movement and gene expression.

The Weber Medical Laser Watch is available in two different versions:

**Active+**
- **Basic model**
  - With red and green diodes

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<th>Pad</th>
<th>Ear probes</th>
<th>Nasal probes</th>
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**Spectra**
- **High-end model**
  - Realizes the full color spectrum to ensure maximum effectiveness.

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**Tinnitus**
A lack of the vital cell energy ATP (adenosine triphosphate) can lead to tinnitus. An undersupply results in cell damage and subsequently in cell death. The laser boosts cell metabolism by enhancing ATP production and supports healing processes of degenerative diseases. It also improves microcirculation in tissues and accelerates cell growth.

**Intranasal blood irradiation, relief from rhinitis, sinusitis and allergic reactions**
In case of colds red light can support the decongestion of the nasal mucosa. Furthermore, red light inhibits histamine release and reduces the reaction of the immune system cells to allergens. Due to the many fine blood vessels inside the nose the intranasal application is ideal for external blood irradiation.
**Blood**
- Enhances cell activity
- Improves microcirculation
- Diabetes (lowering of HbA1c levels)
- Enhances lipid peroxidation (fat reduction) and reduces the amount of cholesterol in vessels
- Lowers liver values (ALT levels)

**Immune System**
- Activates macrophages
- Proliferation of lymphocytes and B- and T-cell subpopulations
- Stimulates the immune response with increase of the immunoglobulins IgG, IgM and IgA
- Stimulates interferons, interleukins and TNF-alpha

**Pain & Muscle Tension**
- Relieves migraine and tension headaches

**Performance Increase**
- Activates cell energy by increase of ATP synthesis

**Cell Regulation**
- Normalizes the cell membrane potential

**Inner Balance**
- Positively influences the vegetative nervous system: Calms nerves and heart rhythm and contributes to muscle relaxation

**Blood**
- Improves function, behavior and cell elasticity of red blood cells
- Increases oxygen delivery
- Reduces blood viscosity and improves blood flow

**Performance Increase**
- Decreases lactic acid levels
- Increases the production of ATP in mitochondria

**Immune System**
- Anti-microbial effects in infections (caused by photodynamic effects; especially in combination with photosensitive substances like curcumin or riboflavin)

**Anti-Aging**
- Increases NO production and activates the enzyme telomerase to stop the shortening of telomeres

**Blood**
- Strong anti-inflammatory effects by reduction of pro-inflammatory cytokines and contributory factors (NF-kB, CRP, IL2, IL6, TNF-alpha, leptin, chemokines etc.)
- Releases nitric oxide (NO) in monocytes and causes:
  - Vasodilation and improvement of endothelial dysfunction
  - Stimulation of stem cell proliferation
  - Lowering of blood pressure
  - Regulation of insulin levels in diabetes

**Immune System**
- Anti-microbial effects in infections (caused by photodynamic effects; especially in combination with photosensitive substances like curcumin or riboflavin)

**Anti-Aging**
- Increases NO production and activates the enzyme telomerase to stop the shortening of telomeres

**Blood**
- Enhances serotonin levels: Regulates the contraction of blood vessels in the circulatory system
- Improves the anti-oxidative enzymatic system to trigger detoxifying effects

**Psyche**
- Has strong anti-depressive effects (especially in combination with hypericin from St. John’s Wort) and positive influence on general mood
- Acts vitalizing due to enhanced serotonin and vitamin-D production
- Positively affects the hormone system

**Inner Balance**
- Significantly increases melatonin levels
- Improves sleep quality