













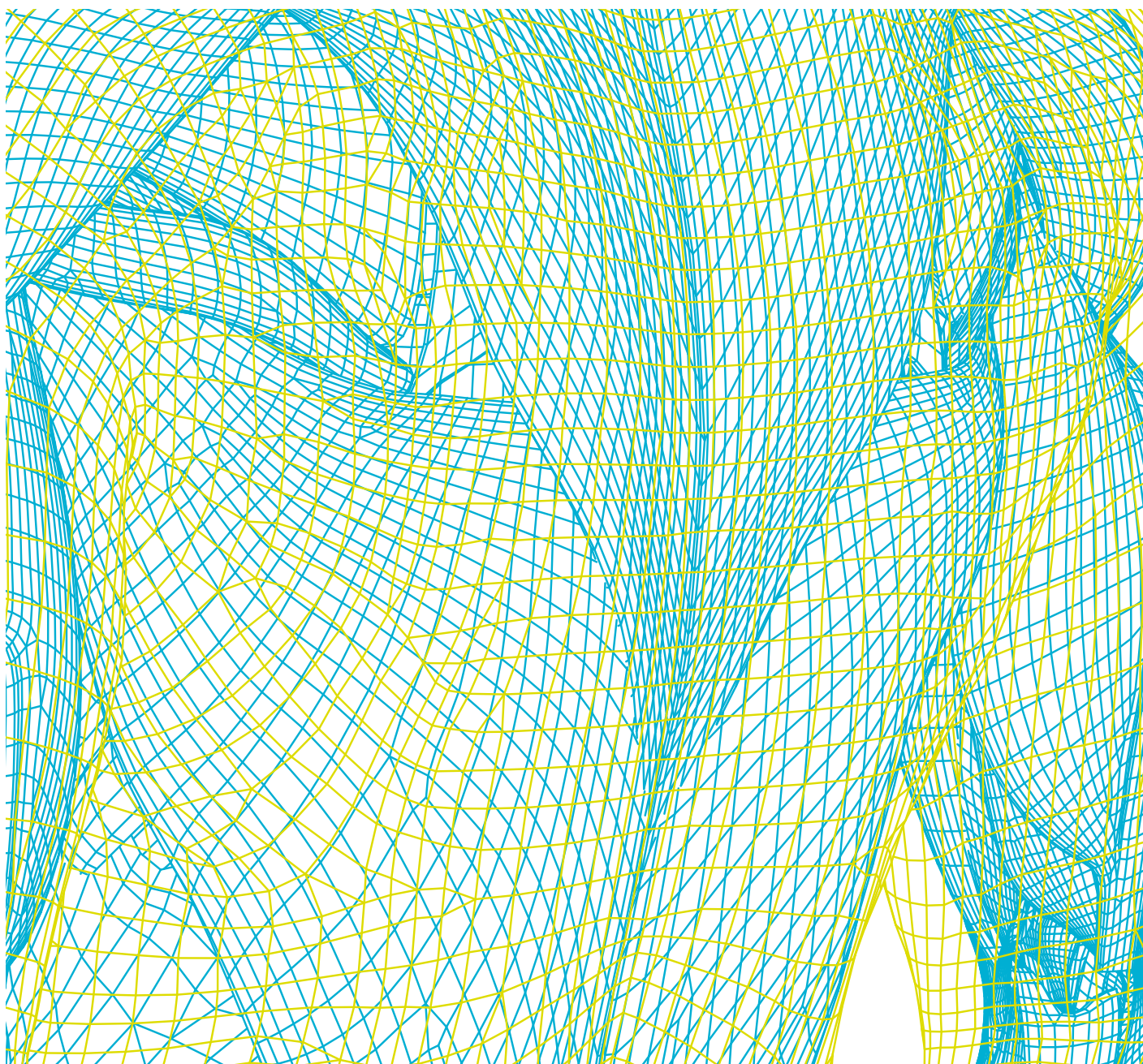


PHYSICAL THERAPY

- | | | | |
|--|---|---|---|
|  Combination therapy |  Laser therapy |  Traction therapy |  MAGCELL® |
|  Electrotherapy |  Shockwave therapy |  Cryotherapy |  vocaSTIM® |
|  Ultrasound therapy |  Shortwave therapy |  Magnetotherapy | |
|  Vacuum application |  Microwave therapy |  DEEP OSCILLATION® | |





LAS-Expert

Effective laser therapy with laser pen, shower or comb



Easily adjustable supporting arm for treatment with the laser shower or laser comb, can be attached to all PHYSIOMED trolleys

The LAS-Expert laser therapy unit features an infrared diode laser with a wavelength of 785 nm, which is scientifically proven to offer the best values in penetration depth and biostimulation efficiency.

In order to ensure a safe and effective treatment, the LAS-Expert has a software that automatically calculates and displays the treatment parameters according to the entry of the desired energy density and treatment surface as well as the applicator chosen.

SPECIAL FEATURES

LASER THERAPY

Wavelength of 785 nm – best value for penetration depth and biostimulation

Automatic calculation of treatment parameters

Continuous output, multi-, alpha- and Nogier-frequencies (see laser probes)

- ① Laser pen for key point treatment and laser puncture (including acupuncture search function with automatic start/stop function) with continuous output, multi-frequency and Nogier-frequencies
- ② Optionally optical waveguides are available as auto-clavable attachments for the laser pen for treatments in the fields of dentistry and ENT
- ③ Laser shower with 14 laser diodes for application on larger surfaces with continuous output, multi-frequency and alpha frequency (e. g., in trauma, arthropathy, large muscular hypertony and dermatology)
- ④ Laser comb with 14 laser diodes for application on larger surfaces with continuous output, multi-frequency and alpha-frequency (e.g., for trichologic applications such as hair and scalp disorders)

GENERAL FEATURES

Intuitive PHYSIOMED one-button operation

Comprehensive overview of the therapy parameters

Fastest therapy start: direct, through program memory or indications index

Extensive treatment index featuring therapeutic information, dosage proposals and application graphics

Patient database



Laser therapy unit LAS-Expert on an Expert trolley

TECHNICAL DATA

Protection class	1, type BF
Laser class	3B
Laser type	Infrared semiconductor laser
Wavelength	785 nm
Power connection	230 V ± 10% or 115 V ± 10%
Mains frequency	50 – 60 Hz
Current consumption	0.15 A (at 230V) or 0.3 A (at 115V)
Power consumption	35VA
Power output, max.	
Laser shower/comb	700 mW _{peak} (14 x 50 mW)
Laser pen	60 mW _{peak}
Dimensions (W x H x D)	345 x 133 x 271 mm
Weight	4.1 kg

STANDARD ACCESSORIES

[1]	Accessory tray
[2]	Laser protection glasses
[1]	Mains cable
[1]	Operating instructions
[1]	Short introduction to laser therapy

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TECHNOLOGY FOR THERAPY

PHYSIOMED[®]