

# Traction Therapy

Gentle, pulsating spine traction with deep heat



TECHNOLOGY FOR THERAPY

**PHYSIOMED**<sup>®</sup>



# TRAComputer/MiLi

Traction therapy with deep heat



Using the TRAComputer, traction is applied on the horizontal plane, while exact metering is possible due to the application of relief-bringing intermittent and pulsed traction. Aside from 60 programs with various traction sequences, individual therapy times, patient weight and pulse frequency can be entered over the control key pad. The gentle gradual increase of traction avoids psychogenic stress to the patient. Furthermore, during relaxation periods, minimum traction is maintained to provide permanent relief to the joint for the duration of the treatment. For safety sake, prior to treatment the patient is handed the emergency off switch.

Besides lumbar and cervical traction, with additional accessories shoulder, elbow, hip, knee, hand and thoracic spine can also be treated.

The MiLi microwave therapy unit can be used with the TRAComputer or on its own. The electromagnetic waves are directly converted into heat in the lower-lying water-containing tissue for an elasticising effect and metabolic stimulation of structures surrounding the spinal cord, coupled with hyperaemisation and increased phagocyte function.

The following configurations are available:

- » Traction therapy unit TRAComputer with couch and diathermy unit MiLi
- » Traction therapy unit TRAComputer with couch
- » Diathermy unit MiLi with couch



Cervical traction with the TRAComputer

# Traction therapy

Traction or decompression therapy has been successfully used in physical medicine for centuries. The main application areas are cervical, lumbar and hip joint therapy. With the assistance of additional belts other joints can also be treated. The recognised spinal traction therapy effects relief to the spine and surrounding tissue. Reducing pressure on the intervertebral foramen (IVF) relieves the intervertebral discs and soothes irritated nerves. Conventional methods are mostly based on traction forces on the vertical plane, which in combination with the strong physical stressing of the patient, may cause psychogenic muscle tension and blood stasis. By contrast, horizontal traction provides patients with a pleasant treatment alternative, permitting both exact metering and pulsed or dynamic intermittent traction relief.

A combination of traction and high frequency therapy can achieve cumulative and potentiating effects.

## SPECIAL FEATURES

### Traction therapy / TRAComputer

Intermittent and dynamic pulsed traction

Individual setting of traction power, pulsation and treatment time

Lumbar and cervical traction

Optional: hip, knee, shoulder, thoracic vertebra, hand and elbow joint traction

Patient's weight can be taken into account

Emergency-off switch

## GENERAL FEATURES

Intuitive control with touch screen and numeric keypad

Comprehensive overview of the therapy parameters

Fastest therapy start: direct program selection or over patient card (option)

- ① Extensive program selection with visualisation of traction charts

Option: patient card for saving personal therapy programs

## SPECIAL FEATURES

### Microwave therapy / MiLi

Power output in ten steps from 20–200 W

- ② Three separately selectable treatment areas across couch

Stationary or cyclical automatic longitudinal treatment: easy individual adjustment of the defined treatment zone

Automatic metering monitoring

## GENERAL FEATURES

Intuitive operation with touch screen

Comprehensive overview of the therapy parameters

Fastest therapy start: direct or through indications index

## Traction couch

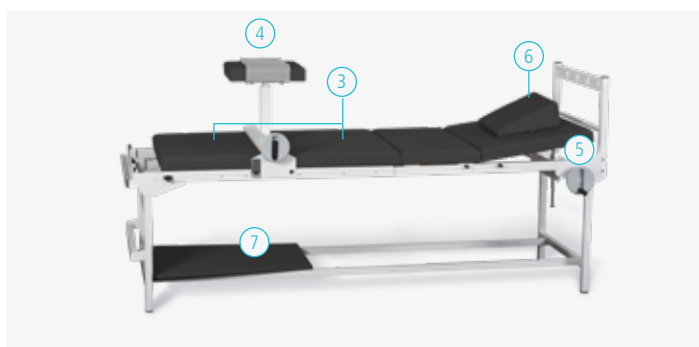
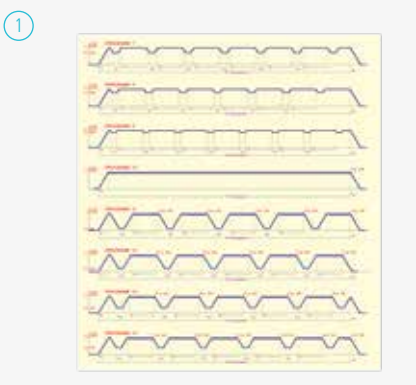
- ③ Rolling section to avoid frictional losses

- ④ Height-adjustable leg rest with belt

- ⑤ Height-adjustable head rest

- ⑥ Pillow

- ⑦ Shelf for accessories



## TECHNICAL DATA

### TRAComputer:

Protection class	1, type B
Power connection	230 V ±10 %
Mains frequency	50 Hz
Current consumption	350 mA
Power consumption	80 VA
Traction	1–60 daN
Dimensions (W x H x D)	190 x 1050 x 560 mm
Weight	18 kg

### MiLi:

Protection class	1, Typ B
Power connection	230 V ±10 %
Mains frequency	50 Hz
Current consumption	2.2 A
Power consumption	720 VA
Operating frequency	2450 MHz
Power output max.	200 W
Dimensions (W x H x D)	340 x 250 x 850 mm
Weight	28 kg

### Traction couch:

Dimensions (W x H x D) without leg rest	830 x 970 x 2120 mm
without TRAComputer	830 x 970 x 2120 mm
with TRAComputer	830 x 970 x 2240 mm
Load capacity of treatment surface	160 kg
Weight	ca. 75 kg

## STANDARD ACCESSORIES

for TRAComputer, MiLi and traction couch:

[1] Emergency-off switch

[1] Leg rest with belt

[1] Operating instructions

[1] Pillow

[1] Shelf for accessories

[1] Traction set cervical spine

[1] Traction set lumbar spine

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