

Ultratherm[®] and accessories





Short waves can be applied to both superficial and deeper tissue layers. Myopathies can be treated in the same manner as joint diseases
When used as intended, the application is - unlike drugs - without any side effects.

The new Ultratherm short-wave therapy unit sets new standards for its class. It employs the ideal energy source, a high-performance solid-state-amplifier, which allows both the capacitor (condensor field) and the coil (induction field) techniques to be used.

To guarantee ease of use as well as convenient and efficient operation and adjustment of parameters, the unit features a 12" display with capacitive touch-screen.

Pictograms showing proper electrode application are available.

By means of the dynamic matching indicator and the heat-effective output power value that is constantly displayed, the user can exactly adjust parameters and has full visual control over the therapy.

Various accessories are available to provide an optimal treatment for each patient.

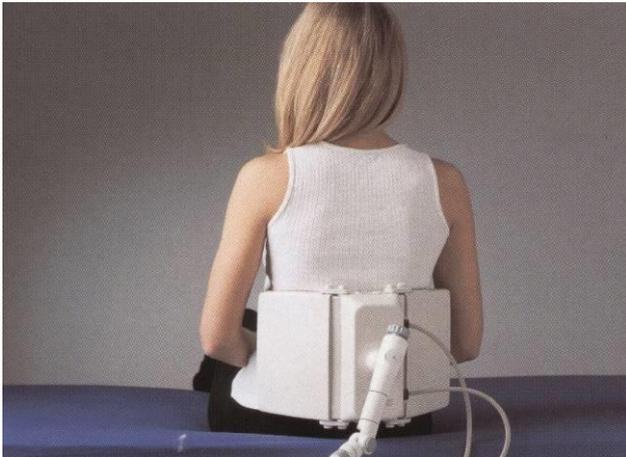
The most important advantages at a glance:

- ⇒ Easy operator guidance by clear graphic display, program memory, application menu including pictograms for electrode application.
- ⇒ Optional use of either the capacitor (condensor field) or coil (induction field) electrodes.
- ⇒ Uniform, highly effective output power both in continuous and pulsed modes, thanks to its high-performance solid-state-amplifier.
- ⇒ Continuously adjustable output power.
- ⇒ Matching and effective output power indication.
- ⇒ Space-saving, ergonomic design.
- ⇒ Modular, safe and easy-to-service basic design.



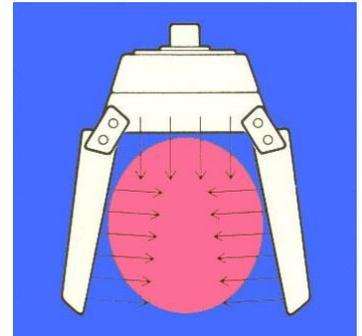
HF nominal power	400 / 1100 W (CW / pulsed)
Operating frequency	27.12 MHz ±0.005%
Pulse duration	200 - 600 µs
Pulse frequency	10 - 300 Hz
Power indication	Amplitude and effective power
Timer	1 - 30 min.
Supply voltage	100 – 240 Volt, 50 – 60 Hz
Power consumption	1050 VA
Protection class	I/BF (EN 60601-1)
Equipment class	IIa (acc. to MDD)
Dimension	450 x 1110 x 530 mm (W x H x D)
Weight	45 kg
Warranty	24 months

Subject to technical changes without prior notice.



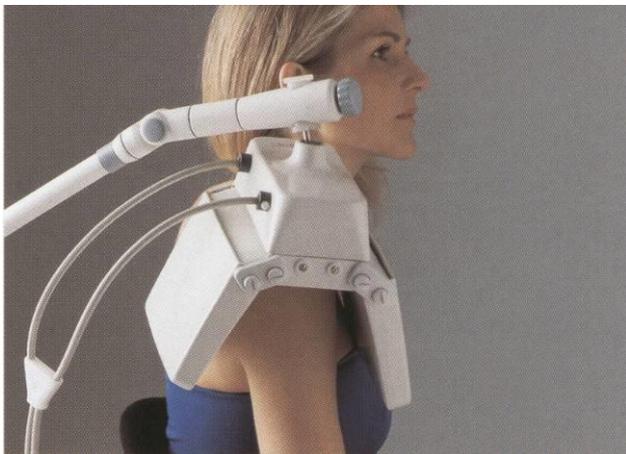
Diplode A short wave electrode for individual application

The Diplode® is a universal electrode for short wave therapy within the magnetic field. It adds to the usual forms of application and gives you essential advantages in addition:



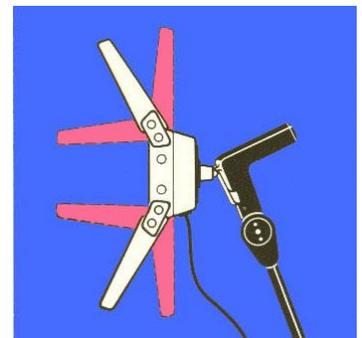
Comprehensive heating treatment

Extremities and joints are heated substantially due to exposure by three sides.



Heating treatment for large areas of the trunk

By means of the large active area of 400 x 225 mm extensive areas of tissue and muscles can be treated within one therapy session.



Multi-purpose use

The breakdown of the large electrode surface into three partial areas adjustable against each other predestines the Diplode® for a multi-purpose program.

Operation

Warning: The Diplode® must be placed on the patient prior to activation of the unit in order to avoid operation during idle speed. The connecting cable must neither be put on metal or any plastic material nor lead closely along these materials. If possible, the cable should hang freely.

1. Activate the short wave therapy unit according to the corresponding Operating Instructions.
2. Place the Diplode® in the area of the part of the body which needs treatment; with a distance between electrode and skin of 1–3 cm, the most favorable heat is created.
3. Set the control system according to the subjective heat impression of the patient.
4. At the end of the treatment, switch off the unit and remove the Diplode® from the treatment area.

Easy handling

There is only one electrode to be placed at the part of the body to be irradiated. Due to its universal joint, the Diplode® can be fixed to the support arm; thus operation is without any effort.



Individual adjustment to the form of the body

The three partial areas may easily be adjusted to the trunk as well as may easily be adapted for irradiation of extremities and joints.

Accessories

	Part-No.	Specification	Use	Application	Remarks
	020-453218	Plastic plate electrode Ø 165 mm		On support arm	
	020-453217	Plastic plate electrode Ø 120 mm		On support arm	Power limit of 200 W (effective) must be observed!
	020-453216	Plastic plate electrode Ø 80 mm		On support arm	Power limit of 80 W (effective) and 400 W (peak) must be observed!
	020-453220	Electrode connection cable (with sponge rubber coating)	To connect plastic plate electrodes		
	020-969553	Diplode® (with cable)	Shortwave with inductive electrode	On support arm	Power limit of 200 W (effective) and 600 W (peak) must be observed!
	022-0-0002	Monode® (with cable)	Shortwave with inductive electrode	On support arm	Power limit of 120 W (effective) and 200 W (peak) must be observed!
	020-453214	Cable holder	For electrode connection cable (with sponge rubber coating)		

Accessories

	Part-No.	Specification	Use	Application	Remarks
	020-453266	Rubber capacitor electrode 180 x 120 mm ² (inclusive linen bag and felt layer)	With linen pockets and intermediate felt layers	With rubber strap or sandbag if required	Power limit of 250 W (effective) must be observed!
	020-453267	Rubber capacitor electrode 250 x 145 mm ² (inclusive linen bag and felt layer)	With linen pockets and intermediate felt layers	With rubber strap or sandbag if required	
	45-38-963 EH725	Rubber strap, 1 row of holes, 135 cm long, 2.7 cm wide (1 piece)	For soft rubber electrode		
	22-74-801 Q1320	Fastening button for rubber strap (1 piece)	For soft rubber electrode		
	45-39-391 EH729	Test Lamp	To check units function		
	022-0-0009-E	Fully adjustable electrode arm (self-locking, extractable)			RAL 9003

