Sonopuls 190

Ultrasound therapy:

fast and easy

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Sonopuls 190

The new Sonopuls 190 is fast and easy. A device with an extremely fast start-up, a fast way to set-up treatment parameters and a device that gives fast therapeutic results. The compact and ergonomic design, the clear TFT screen and the touchscreen interface are making this small device a big asset for the therapist.

Ultrasound therapy is a proven effective treatment method for numerous pathologies. In order to simplify the therapy selection, a number of preprogrammed protocols are stored in the Sonopuls 190. These evidence based protocols provide you with clear instructions and will set the device parameters for treatment automatically.

- Evidence based protocols
- Programmable
- Extremely quick start-up
- Crystal clear tft colour screen
- Touch screen user interface
- Programmed for speed
- Ergonomic design
- Contact control
- 2 Treatment heads possible
- Energy efficient
- Compact and stylish
- Ultra-flexible cable
- By Enraf-Nonius: safe, reliable and durable

Evidence based protocols

Provided with 25 evidence based treatment protocols, including anatomical representations and clear guidelines for treatment.

Programmable

Besides the 25 evidence based protocols you can also store 20 protocols according to your own guidelines.

Extremely quick start-up

Start the unit and it is ready for immediate use. No start-up delay, no operating system to load but instant availability of the full functionality of the unit.

Crystal clear TFT colour screen

A crystal clear and scratch resistant screen that allows full visibility on all parameters from all viewing angles.

Touch screen user interface

Easy to use by means of a clear menu via a touch screen interface. Extremely intuitive and as easy as a state-of-the-art smart phone.

Programmed for speed

The menu structure is optimized to speed. In most cases you can start a pathology-specific treatment in just 3 steps! Easy, quick and simple.

Ergonomic design

The treatment head is made to fit your hand comfortably. A design completely based on functionality and user friendliness.

Contact control

A 360 degrees light ring for contact control. A clear indication of the effective transfer of energy that enables you to conduct the therapy as efficient as possible.

2 Treatment heads possible

You can connect both the small 0,8 cm^2 as well as the large 5 cm^2 ultrasound treatment head in order to quickly change heads.

Energy efficient

Sounds as a paradox for a unit which primary goal is to transfer energy to the human body. Due to smart energy saving modes no waste is generated when the device is in rest-mode.

Compact and stylish

An extremely compact device, small and light-weight for easy transportation. At the same time stylish and beautiful, a device that is worth-while showing!

By Enraf-Nonius: safe. reliable and durable

An Enraf-Nonius device, the worldwide supplier for physiotherapy and rehabilitation equipment. Made with special attention to quality, durability and safety.

A treatment head with added value

An intelligent treatment head, packed with electronics and covered with a special coating making it smooth and comfortable to use and easy to clean.

Ultra-flexible cable

The cable between the unit and the ultrasound head is extremely flexible. This assures ease of use. The cable adapts according to your movements and will never impede any motion of the treatment head.

Sonopuls 190

1631901 Sonopuls 190

With multi-frequency ultrasound head of 5 cm^2 and head holder

1631902 Sonopuls 190

With multi-frequency ultrasound head of 0,8 cm^2 and head holder

1631903 Sonopuls 190

With multi-frequency ultrasound head of 5 cm^2 and of 0,8 cm^2 and 2 head holders

Standard accessories

1631820	Head holder for multi-frequency treatment head
3442929	Contact-gel, 1 bottle of 250 ml [1]
1631750	User manual Sonopuls 190 (on CD)
0167154	Information sheet ultrasound gel
0167278	Information sheet mounting US head holder(s) Sonopuls 190
3440001	Screwdriver
3444357	Mains connecting cable

(1) = The Sonopuls is delivered with 1 bottle of contact-gel. The articlenumber 3442929 however represents a box of 12 bottles.

Sonopuls 190

1631904 Sonopuls 190 with StatUS™ Pack 100

With StatUS™ applicator and applicator holder

1629901 StatUS™ Pack 100

With StatUS™ applicator and applicator holder

Can be combined with the 1631901, 1631902 or 1631903

Sonopuls units

Standard accessories for 1631904

0169842	Head holder StatUS™ applicator
3442941	Gelpad StatUS™ (240x)
3442942	Fixation ring gelpad StatUS™ (3x)
1631750	User manual Sonopuls 190
1629750	User manual StatUS™ Pack 100
1629751	Information booklet StatUS™ Pack 100
3440001	Screwdriver
3444357	Mains connecting cable

Standard accessories for 1629901

0169842	Head holder StatUS™ applicator
3442941	Gelpad StatUS™ (240x)
3442942	Fixation ring gelpad StatUS™ (3x)
1629750	User manual StatUS™ Pack 100
1629751	Information booklet StatUS™ Pack 100

See leaflet Sonopuls 190 with StatUS™ Pack 100 for more explanation.

Sonopuls 190

Ultrasoundfrequencies:	1 en 3 MHz
Ultrasound:	continuous and pulsed
Duty cycles	5, 10, 20, 33, 50, 80%
Pulse rate:	16 Hz, 48 Hz and 100 Hz
Numbers of US connections:	2
Intensity	0-2 W/cm^2 continuous, 0-3 W/cm^2 pulsed [1]
ERA US treatment head large:	5 cm^2
ERA US treatment head small:	0,8 cm^2
ERA StatUS™ applicator:	5 cm^2
Pre-programmed protocols:	25 evidence based protocols for Ultrasound therapy
	52 evidence based protocols for StatUS™ therapy
Free program positions:	20 pcs
TFT touchscreen:	480x272 pixels
Main power:	100-240 V ± 10% (50/60Hz)
Dimensions (wxdxh):	21x19x9 cm (1631901 and 1631902), 29x19x9 cm(1631903), 22x16x14 cm (1631904),
	22x12x9 cm (1629901)
Weight:	1152 gr (1631901), 1137 gr (1631902), 1524 gr (1631903), 1707 gr (1631904), 930 gr 1629901)
This is a medical device.	It complies with all applicable medical regulations. For more details please consult the instructions for use (downloadable via www.enraf-nonius.com).

(1) = At a duty cycle of 80% the maximum output is 2,5 W/cm2.

Sonopuls 190

Ultrasound contact-gel

3442929   Contact-gel, bottle 250 ml, box of 12

3442930   Contact-gel, bottle 850 ml, box of 12

3442931   Contact-gel, canister of 5 l

3442932   Dispenser-set for 5 l canister

Cases and bags

3444061   Bag for Endomed and Sonopuls 1-serie, black

3442929   3442930   3442931   3442932   3444061

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