

Access Clinical Protocols by selecting the body area to be treated



Clinical Protocols provide appropriate treatment suggestions



Fully editable treatment parameters



Library of anatomical graphic illustrations



Intellect® Shortwave 100

Intellect Shortwave 100 provides both thermal and athermal effects through qualitative dosimetry selection (I-IV). The output power will meet the requirements for the vast majority of diathermy clinical applications.

- Treatment setup via Thermal Dosimetry, Quick-link Indications or Clinical Protocols™
- 200 User-defined protocol storage slots
- Over 90 Clinical Protocols™ on board
- Clinical Resources include:
 - Full color graphics library of anatomical images and pathologies
 - Over 140 applicator placement images
 - Diathermy rationale
 - Diathermy contraindications
- Power generation via a high efficiency, microprocessor controlled, solid state amplifier
- Average power of 64 Watt in pulsed mode (max)
- Fully adjustable pulse rate and pulse width
- Continuous (100 Watt) and pulsed (200 Watt) power modes
- Patient Documentation of treatment sessions, pre and post treatment patient pain scales, pain mapping and pain types all captured on Patient Data Cards
- Full color LCD touch-screen interface
- Multilingual software
- Adjustable treatment timer
- Automatic resonance tuning
- Two output channels
- 360° Swivel rotation of interface
- Robust, multi-jointed, pivoting electrode arms
- Patient safety switch
- 2 year warranty



ORDERING INFORMATION

Intellect Shortwave 100

1602 - Intellect Shortwave 100

Standard Accessories

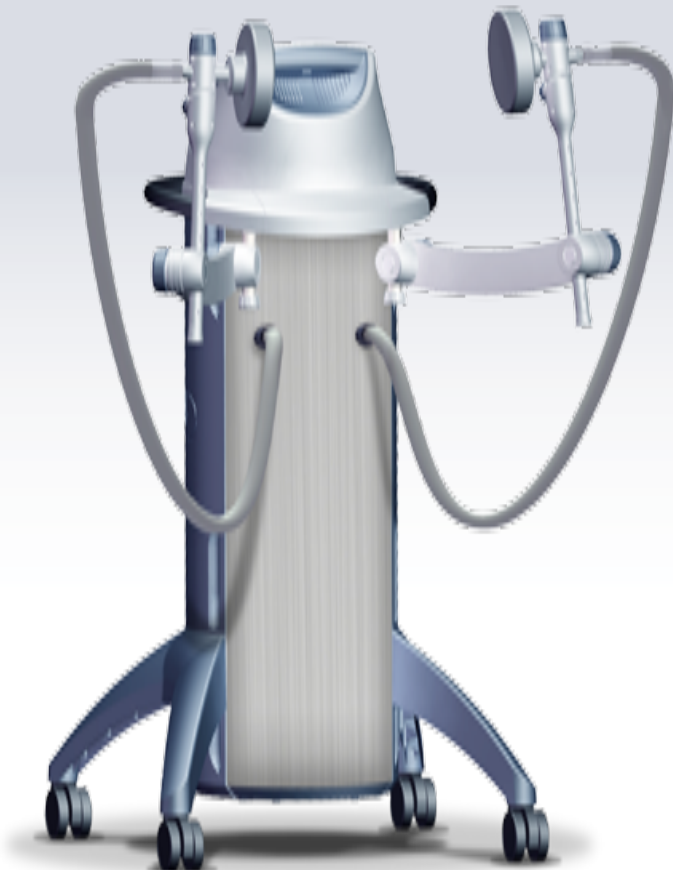
- 020453217** - 120 mm capacitive electrodes (2x)
- 14712** - Connection cable (2x)
- 14762** - Indicator discharge tube
- 14668** - User Manual on CD
- 14761** - Electrode arms (2x)

Optional Accessories

- 020453218** - 165 mm capacitive electrodes
- 020453216** - 80 mm capacitive electrodes
- 020969553** - Diplode
- 02200002** - Monode
- 020453266** - 180 x 120 mm soft rubber electrode (includes one pocket and one intermediate felt layer)
- 020453267** - 250 x 145 mm soft rubber electrode (includes one pocket and one intermediate felt layer)

TECHNICAL SPECIFICATIONS

- Mains Power:** 100-240 VAC, 50-60 Hz
- Output Frequency:** 27.12 MHz
- Output Power:** 100 W Continuous Mode / 200 W Peak in Pulsed Mode
- Weight:** 27 kg (60 lbs.)
- Dimensions:** (LxWxD) 42 x 41 x 97 cm
- Pulsed Width:** 20-400 μ seconds
- Pulsed Rate:** 10-800 Hz
- Treatment Time:** 1-60 minutes
- Electrical Safety Class:** Class B
- Safety Tests:** IEC/EN 60601-1, IEC/EN 60601-2-3, IEC/EN 60601-1-4



Applicators:

Intellect Shortwave 100 is engineered to accept both capacitive and inductive applicators. The capacitive electrodes, also referred to as condenser field electrodes, are characterized by the use of two applicators positioned on either side of the body area to be treated. These produce strong electrical fields and are recommended for superficial body areas. Inductive electrodes, also known as eddy-current electrodes, typically consist of a single inductive drum positioned directed over the body area to be treated. Inductive applicators produce a strong magnetic field and are best for deeper soft tissue body areas.*

Inductive Electrodes:

Diplode



Monode



Diathermy knee treatment



Diathermy shoulder treatment



Capacitive Electrodes:

80mm, 120mm & 165mm sizes



Flexible Rubber Elec. w/ felt layer



*Reference: Evidence-Based Guide to Therapeutic Physical Agents.