

ORTHOCANADA



Electrotherapy & Ultrasound
Combination Therapy

THE BTL-4000 SERIES

This new and advanced series of physiotherapy products offers devices for ultrasound therapy, electrotherapy, laser as well as an extended line of combination therapy. The outstanding parameters and wide range of applicators, including the revolutionary HandsFree Sono®, make the 4000 series line an ideal choice for any professional practice.

The BTL-4000 series Ultrasound & Electrotherapy is available in two models:
BTL-4825 SMART & **BTL-4825 PREMIUM**.

EASY OPERATION

- Therapy can be started with a single touch
- Possibility to select up to eight QUICK protocols for each therapy
- Large colour touch screen provides clear visualization of all important information
- Touch screen available in two sizes: 7" for the **BTL-4825 PREMIUM** or 4.3" for the **BTL-4825 SMART**

FULL RANGE OF APPLICATORS AND ACCESSORIES

- Time - saving HandsFree Sono® applicator
- Ergonomically designed, heated ultrasound heads
- Well - designed durable trolley for everyday use
- Lead wires
- Sponge covers
- Fixation straps
- Re-usable electrodes

DATABASE

- Easy management of the patient database
- All patient relevant information can be stored in the device memory
- Easy recall of patients' records and related treatments

PORTABILITY

- Easy manipulation
- Optional lightweight battery and carrying case

THERAPEUTICAL PROTOCOLS

- Wide library of preset protocols for easy and effective application
- Classification of the protocols according to the biological effects
- Full - colour encyclopaedia with anatomical images
- Description of therapies and positioning of applicators for treatment protocols
- Body Parts navigation for fast access to localized protocols

COMBINATION UNITS

ELECTROTHERAPY

ULTRASOUND

The BTL-4825 Smart & Premium feature a two channel electrotherapy unit with a wide selection of waveforms. This operator independent ultrasound system can save the operator's time, while making ultrasound treatment more effective than ever before.

The easy operation, the most advanced parameters and a wide library of protocols make the BTL-4825 Smart and Premium the most advanced system in the industry.

BTL-4825 PREMIUM

- Rotary dial for output adjustment
- Two therapies in a single unit
- HandsFree Sono® applicator*
- QUICK protocols
- Body Parts navigation
- Large 7" colour touch screen
- Preset protocols and therapeutic encyclopaedia
- Patient database

BTL-4825 SMART

- HandsFree Sono® applicator*
- 4.3" colour touch screen
- Preset protocols and therapeutic encyclopaedia

*optional

FEATURES & BENEFITS OF THE BTL-4825 COMBINED UNITS

- Two independent electrotherapy channels
- Wide spectrum of waveforms
- Units include 5 cm² applicator, lead wires, 4 re-usable rubber electrodes (5x7 cm), sponge cover and a set of fixation straps



BTL-4825 Premium
with optional trolley

ACCESSORIES

Standard

BTL-4000-5CM
BTL-4000-L1
BTL-4000-L2
BTL-4000-E1
BTL-4000-S1

BTL Ultrasound Applicator - 5cm²
BTL 4000 Channel 1 lead - light grey
BTL 4000 Channel 2 lead - dark grey
BTL 7x5 cm carbon IFC electrode (sold individually)
BTL Sponges for 5x7 cm electrode (sold individually)

Optional

BTL-4000-Cart
BTL-4000-Battery
BTL-4000-Bag
BTL-4000-1CM
BTL-Sono-6
BTL-Sono-4
BTL-Sono-PH
BTL-Sono-PT
BTL-4000-E2
BTL-4000-S2

Trolley for BTL 4000 Series
Battery Pack for BTL-4000 Smart/Premium
Carry bag for BTL-4000 Smart/Premium
BTL Ultrasound Applicator - 1cm²
HandsFree Sono 6 Crystal (Includes 3 straps)
HandsFree Sono 4 Crystals (Includes 3 Straps)
HandsFree Sono Holder
HandsFree Sono holder for trolley
BTL 12x10 cm carbon IFC electrode (sold individually)
BTL Sponge for 12x10 cm electrode (sold individually)

TECHNICAL SPECIFICATIONS

of the BTL-4825 Combination Units

Standard Specs	SMART	PREMIUM
Display	4.3"	7"
Knob		•
QUICK protocols		•
Body Part Navigation		•
Patient database		•
Dimensions	380x190x260mm	
Weight	Max. 3 kg	
Mains supply	100-240 V/AC, 50-60 Hz	
Standard accessories	2x electrode connection cable - light grey and dark grey, 4x flat rubber electrode 5x7 cm, sponge covers, set of fixation straps, adapter, manual	

Electrotherapy Specs (Smart & Premium)

Electrotherapy channels	2	Sequences	•
Electrodiagnostics	•	2-pole interference	•
Galvanic	•	4-pole interference	•
Diadynamic currents	•	Isoplanar and vector field	•
Trabert	•	Interrupted pulses	•
Faradic	•	Leduc current	•
Neofaradic	•	H-wave	•
Exponential pulses	•	Microcurrent	•
Exponential pulses with rise	•	Mid-frequency surges	•
Rectangular pulses	•	Spastic stimulation - Hufschmidt	•
Russian stimulation	•	Spastic stimulation - Jantsch	•
Stimulation pulses	•	HVT	•
Trapezoid pulses	•	IG pulses	•
Triangular pulses	•	Modulated pulses current	•
Combined pulses	•	VMS current	•
TENS	•	Kotz current	•
NPHV	•	EPIR	•

Ultrasound Specs

Number of independent channels	1
Number of heads simultaneously connected	2
Modular frequency	10-150 Hz
Duty factor	5-100%
Max. intensity in continuous mode	2 W / cm ²
Max. intensity in pulsed mode	3 W / cm ²

ACCESSORIES



Cart for BTL-4000 Smart/Premium



6 crystal HandsFree Sono® applicator



Plastic holder for HandsFree Sono®



4 crystal HandsFree Sono® applicator



HandsFree Sono® holder for plastic trolley



5 cm² applicator



Battery Pack



1 cm² applicator



Re-usable rubber electrodes (5x7 cm)



Carry bag for BTL-4000 Smart/Premium

HANDSFREE SONO®

THE ONLY OPERATOR INDEPENDENT APPLICATOR WITH ROTARY FIELD

The BTL HandsFree Sono® brings the unique Rotary Field Technology. It is the first ultrasound applicator on the market which creates electronically precise rotating ultrasound field without necessity of a therapist activity. This outstanding technology enables very fast, effective and comfortable treatment and reduces operator fatigue.



Automatic application by the HandsFree Sono®



Hand operated application by a therapist

ROTARY FIELD TECHNOLOGY: THE PRINCIPLE

The ultrasound Rotary Field Technology is the latest innovation based on multiple crystal applicators. The ultrasound crystals are organized in the applicator as an array of ultrasound transmitters which are controlled by a real time processor unit. The real time processor unit activates the individual crystals according to preset parameters.

The Rotating Field is created by a sequential activating of crystals while the real time processor controls speed of rotation, output power and depth of ultrasound field penetration for each individual crystal. Such a precise control makes the ultrasound therapy effective and safe against any risks such as hotspots which are typical of some stationary ultrasound technologies.

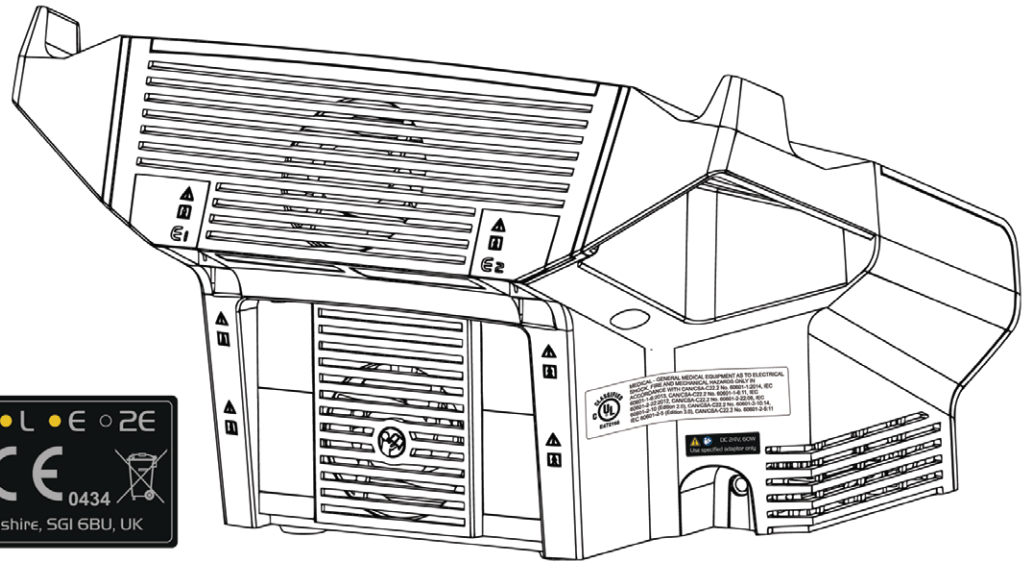
MAXIMUM FLEXIBILITY FOR ALL TREATMENT POSITIONS




FEATURES AND BENEFITS OF THE BTL Hands Free Sono®

- Time Saver
- More efficient ultrasound delivery, and eliminates application errors
- Maximum safety using the embedded Rotary Field Technology
- Equal ultrasound dosage over the entire treated area
- Alternating frequencies: 1 and 3 MHz
- Two models of HandsFree Sono: 18 cm² with 6 crystals; 12 cm² with 4 crystals
- Gel pads not required

CANADIAN ELECTRICAL SAFETY LABELING OF BTL





MEDICAL - GENERAL MEDICAL EQUIPMENT AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH CAN/CSA-C22.2 No. 60601-1:2014, IEC 60601-1-6:2013, CAN/CSA-C22.2 No. 60601-1-6:11, IEC 60601-2-22:2012, CAN/CSA-C22.2 No. 60601-2-22:08, IEC 60601-2-10 (Edition 2.0), CAN/CSA-C22.2 No. 60601-2-10:14, IEC 60601-2-5 (Edition 3.0), CAN/CSA-C22.2 No. 60601-2-5:11



Health
Canada

Santé
Canada

MDALL LICENCES

BTL-4000 (Combination Therapy - BTL-4826-Smart & Premium)	94106
ULTRASOUND HEAD (5cm ² & 1cm ²)	94527
HANDSFREE SONO	94535

Clinic Set-Up Expertise

OrthoCanada can help with comprehensive clinic planning and set-ups. Since 1989, our knowledge and assistance have helped over 500 Canadian start-ups. We provide peer-to-peer (physio-to-physio) advice, offer research subsidies and can help create everything from today's state-of-the-art clinics, to facilities with smaller budgets.



Our team of physio professionals provides comprehensive assistance with everything you need to get started. We provide equipment recommendations, advice on whether to buy or lease, as well as complete details on installation.

Tammy Boucher, BScPT
Vice-President, Capital Equipment Sales
tammy.boucher@orthocanada.com
1-800-561-0310 ext 1700

Biomedical Services

OrthoCanada prides itself on excellent after sales services. Our team ensures that all our customers are well taken care of and that the best possible service is offered at all times.

OrthoCanada's Biomedical Services department is certified to repair, test and calibrate all BTL physiotherapy and electrotherapy devices. OrthoCanada will support your practice to ensure your clinic does not lose a step in the event of technical issues. All repairs are handled with care and in a timely manner to ensure minimal disruption in your clinic.



A graduate in Electrical Engineer from Carleton University in Ottawa, I am also a certified technician for electrotherapy and medical device manufacturers.

"One of my greatest passion is to help healthcare practitioners choose equipment that best meets their needs and is tailored to their professional practice."

Razi Khaddage, B.Eng Biomedical & Electrical Engineering
Biomedical Services Manager
razi.khaddage@orthocanada.com
1-800-561-0310 ext 1704

We Ship Anywhere Across Canada!

OrthoCanada strives to make ordering our products a positive, satisfying experience. Whether you're located in Little Shuswap or Happy Valley Goose Bay, our goal is to provide the best possible delivery service to our professional customers at an affordable price. We understand that getting your order to you promptly is our priority.



Take Advantage of our Free Shipping Offer

Professionals & institutions can take advantage of our Free Shipping policy everywhere in Canada on orders over \$250*

Standard Shipping Rate \$9.95

Our standard shipping rate for Professionals & institutions, on orders under \$250, is \$9.95 unless weight, location or size is a factor.

*Unless weight or size is a factor, or the product is shipping to a very remote location. If this is the case, a customer service representative will contact you to confirm the shipping cost prior to shipment. Standard shipping is provided by FedEx or by Canada Post. Larger items ship via surface freight. OrthoCanada provides shipping only within Canada at this time. Visit our website for our Terms & Conditions at orthocanada.com/en/shipping-info

All prices are subject to change without notice

Multi-Site Drop-Ship Locations

OrthoCanada's operation system enables us to set-up your institutional account with multiple drop-ship locations. Whether your locations are in the same city or are spread across the province or country, we can assure fast, efficient delivery. Contact us for more information.

