



## InTENSity™ CX4

The **InTENSity™ CX4** is an advanced combination four-channel electrotherapy and ultrasound system offering the practitioner a wide range of treatment options in one user-friendly, ergonomic design.

Equipped with a menu-driven color touch screen interface intuitively groups and displays clinical protocols, guiding clinicians step-by-step to ensure the ideal therapeutic treatment.

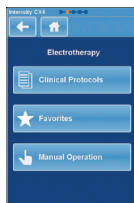
- Electrotherapy waveform rationale
- Appropriate parameter settings
- Electrode placement guide
- Ultrasound applicator recommendations

A few simple key presses are all that is needed to quick-start a treatment. Parameters can be easily selected and adjusted. Clinicians can choose to use preset clinical protocols or customize their own. The “favorites” feature allows user-defined protocols to be stored for future use.

The four electrotherapy channels can be used in combination with ultrasound or totally independent with different protocols running simultaneously. The ergonomically designed 5 cm<sup>2</sup> sound head provides for an excellent ERA.

In addition, the **InTENSity™ CX4** offers a comprehensive library with treatment education and suggested electrode placement for better treatment outcome and improved clinic efficiency.

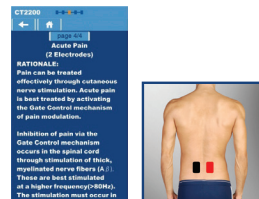
### ELECTROTHERAPY AND ULTRASOUND



Multi-functional Touchscreen Interface



Clinical Protocols Provide the Appropriate Parameters for a Variety of Conditions.



Educational Library with Recommended Electrode Placement Guide



Optional cart moves with ease and includes six spacious storage drawers

### FEATURES

- Combination electrotherapy and ultrasound therapy system
- 4 channels of independent stimulation can be used in combination (linked) or totally independent
- Multi-patient function provides the ability to treat up to three patients at once for maximum practice usage
- Independent intensity and parameter controls for each channel
- Sleek, user-friendly, ergonomic design for table top or therapy cart use
- Large, easy-to-read, color LCD display with screen touch interface
- Multiple waveform electrotherapy – six clinical waveforms: Interferential, Premodulated, TENS (Symmetrical Biphasic & Asymmetrical Biphasic), NMS, Russian, High Volt, and Microcurrent
- Clinical protocols providing the appropriate parameters for a variety of acute and chronic conditions
- Manual operation allows for user-defined protocols
- “Favorites” feature allows storage of up to 99 custom programs for future use
- Comprehensive library provides treatment education and suggested electrode placement
- Patient remote kill switch connection allows patient to stop treatment at the push of a button
- 1 and 3 MHz ultrasound frequencies
- Pulsed and Continuous Modes
- Ergonomically designed 5 cm<sup>2</sup> sound head for excellent ERA during treatments (1 cm<sup>2</sup> sound head optional)
- Low BNR ratio of 5:1
- Ultrasound Amplitude can be toggled between w and w/cm<sup>2</sup>
- Sound head coupling feature
- Optional therapy cart (13-3399) integrates with the unit and keeps supplies organized and ready for treatments
- Three-year warranty

Comes complete with CX4 device, Axelgaard® Electrodes (2" x 2" and 2" x 3.5" electrodes, 3" x 5" dispersive electrodes), rubber electrodes (2.5" x 3.5" electrodes, 2.75" x 4.3" electrodes), two straps for rubber electrodes, lead wires, power cord, patient kill switch, ultrasound bracket and holster, 5 cm<sup>2</sup> sound head, 8-oz. TheraSonic™ ultrasound gel, instruction manual, quick start guide, and a CD with electronic manual.

Optional Accessories:

- 1 cm<sup>2</sup> sound head
- Therapy cart

## ELECTROTHERAPY SPECIFICATIONS

### TECHNICAL SPECIFICATIONS

Number of Channels:	Four, Isolated
Treatment Time:	1 – 60 min, adjustable
Power Supply:	100 – 240 VAC, 50 – 60 Hz
Dimensions (L x W x H):	10" x 7" x 5"
Weight:	5 lbs.
UPC:	092237615218

### BIPHASIC (TENS)

Waveforms:	Asymmetrical & Symmetrical Biphasic Rectangular
Mode Selection:	CC or CV
Pulse Amplitude:	CC: 0 – 200 mA CV: 0 – 200 V
Pulse Width:	20 – 400 µsec
Pulse Frequency:	1 – 250 Hz
Treatment Time:	1 – 60 minutes

### NEUROMUSCULAR STIMULATION (NMS)

Mode Selection:	CC or CV
Pulse Amplitude:	CC: 0 – 200 mA CV: 0 – 200 V
Pulse Width:	20 – 400 µsec
Interphase Interval:	120 µsec
Pulse Frequency:	1 – 200 Hz
Ramp:	1s, 2s, 5s
Cycle Time:	Continuous, 10/10, 10/20, 10/30, 10/50, Custom
Treatment Time:	1 – 60 minutes

### MICROCURRENT

Frequency:	0.1 – 1000 Hz
Polarity:	Positive, Negative, Alternating
Pulse Amplitude:	CC: 0 – 1,000
Cycle (Fixed):	50%
Ramp (Fixed):	1s
Treatment Time:	1 – 60 minutes

### IFC-2P PREMODULATED

Waveform:	Sinewave
Mode Selection:	CC or CV
Vector Scan:	Auto: 20% – 100% Manual: 0° – 90°
Carrier Frequency:	Carrier F: 2 – 10 KHz Beat Low: 1 – (Beat H.) Beat High: (Beat L.) – 200 Hz
Pulse Amplitude:	CC: 0 – 200 mA CV: 0 – 200 V
Ramp:	2s
Treatment Time:	1 – 60 minutes

### IF-4P TRADITIONAL

Waveform:	Sinewave
Mode Selection:	CC or CV
Vector Scan:	Auto: 20% – 100% Manual: 0° – 90°
Carrier Frequency:	Carrier F: 2 – 10 KHz Beat Low: 1 – (Beat H.) Beat High: (Beat L.) – 200 Hz
Pulse Amplitude:	CC: 0 – 200 mA CV: 0 – 200 V
Treatment Time:	1 – 60 minutes

### RUSSIAN

Carrier Frequency:	2.5 KHz
Frequency:	20 – 100 Hz
Duty Cycle:	10% – 50%
Mode Selection:	CC or CV
Pulse Amplitude:	CC: 0 – 100 mA CV: 0 – 100 V
Ramp:	1s, 2s, 5s
Cycle Time:	Continuous, 10/10, 10/20, 10/30, 10/50, Custom
Treatment Time:	1 – 60 minutes

### HIGH VOLT PULSED CURRENT (HVPC)

Frequency:	1 – 120 Hz
Polarity:	Positive or Negative
Phase Duration:	100 µsec
Pulse Amplitude:	CV: 0 – 500 V
Ramp:	1s, 2s, 5s
Treatment Time:	1 – 60 minutes

## ULTRASOUND SPECIFICATIONS

### ULTRASOUND

Frequency:	1 and 3 MHz
Duty Cycles:	Pulsed and Continuous
Pulse Frequency:	100 Hz
Pulse Duration:	1 – 9 mSec ± 10% (set by Duty Cycle)
Ramp (Fixed):	1s
Treatment Time:	1 – 60 minutes

### AMPLITUDE

Duty Factor $\geq 80\%$ :	2.0 W/cm <sup>2</sup>
Duty Factor $\leq 70\%$ :	3.0 W/cm <sup>2</sup>
Treatment Timer:	0 – 30 min ± 0.1 min

### EFFECTIVE RADIATING AREAS

5 cm <sup>2</sup> Crystal:	5 cm <sup>2</sup>
1 cm <sup>2</sup> Crystal:	1 cm <sup>2</sup>

### BEAM TYPE

Beam Type:	Collimating
Beam Non Uniformity Ratio	5:1 maximum



## TECHNICAL SPECIFICATIONS

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Number of Channels:	Four, Isolated
Treatment Time:	1 – 60 min, adjustable
Power Supply:	100 – 240 VAC, 50 – 60 Hz
Dimensions (L x W x H):	11.25" x 7.75" x 9.5"
Weight:	5 lbs.
UPC:	092237615218

### SHIPPING SPECIFICATIONS

Ship Dimensions:	14.5" x 13" x 13"
Ship Weight:	6 lbs.

**FEI**  
FABRICATION  
ENTERPRISES INC.

Toll Free: 1.800.431.2830  
Fax: 1.800.634.5370  
Email: [orders@FabEnt.com](mailto:orders@FabEnt.com)  
[www.FabEnt.com](http://www.FabEnt.com)

Item #	Description	Qty
13-3391	InTENSity™ Professional CX4, 4-channel Stim/Ultrasound Combo Unit	each
13-3392	InTENSity™ Professional CX4, 4-channel Stim/Ultrasound Combo Unit with Cart	each
	InTENSity™ Professional CX4, 1 cm <sup>2</sup> Sound Head (For Use with CX4 Only)	each
13-3399	InTENSity™ Professional Series Cart	each

**\*\* Prescription Required:** This is a Class II Medical Device. Federal law restricts these devices to sale by or on the order of a licensed health care professional. Providers are responsible for determining appropriate billing codes for Medicare Program claims. This information is included for your convenience and is not intended, nor should it be considered billing advice.