



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 color, touchscreen menu-driven 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.

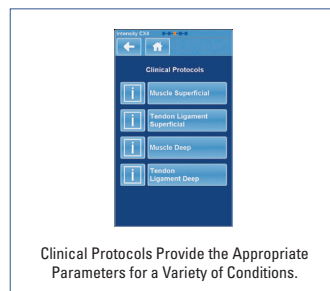
The four electrotherapy channels can be used in combination with ultrasound or totally independent with different protocols running simultaneously. The ergonomically designed 5 cm² sound head provides for an excellent ERA.

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

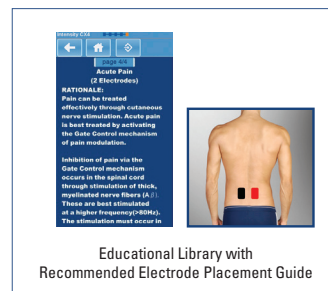
ELECTROTHERAPY AND ULTRASOUND



Multifunctional 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 a touchscreen 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 cm² sound head for excellent ERA during treatments (1 cm² sound head optional)
- Low BNR ratio of 5:1
- Ultrasound Amplitude can be toggled between w and w/cm²
- Sound head coupling feature
- Optional therapy cart (DQCART) 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 sound head, 8-oz. TheraSonic™ ultrasound gel, instruction manual, quick start guide, and a CD with electronic manual.

Optional Accessories:

- 1 cm² sound head (DQ9275-W1)
- Therapy cart (DQCART)

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 ≥ 80%:	2.0 W/cm ²
Duty Factor ≤ 70%:	3.0 W/cm ²
Treatment Timer:	0 – 30 min ± 0.1 min

EFFECTIVE RADIATING AREAS

5 cm ² Crystal:	5 cm ²
1 cm ² Crystal:	1 cm ²

BEAM TYPE

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



TECHNICAL 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):	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.



Toll Free: 800.245.1064 • www.miotech.net

Item #	Description	Qty
DQ8000	InTENSity™ CX4 Clinical Electrotherapy and Ultrasound System	each
DQ8001	InTENSity™ CX4 Clinical Electrotherapy and Ultrasound System with Therapy Cart	each