

InTENSity™
Professional Series



InTENSity™ Professional Series

Intelligent therapy at your finger tips!
Choose cruise control with preset clinical protocols or jump into the driver's seat with in-depth customization.

The **InTENSity™ Professional Series** is equipped with menu-driven touchscreen technology that intuitively groups and displays preset clinical protocols, guiding clinicians step-by-step to ensure the ideal therapeutic treatment.

With multiple treatments and advanced engineering, the InTENSity™ Professional Series gives you direct control of multiple parameters to meet the needs of even the most challenging cases.

If a clinical protocol is not enough, then jump into the customization mode and take control. There's even a "favorites" feature to store up to 99 user-defined protocols for future use.

And with guided assistance from the comprehensive library, clinicians can quickly get the information they need to help them with their therapy selections. Full color graphics provide suggested electrode placement and guide you to better treatment outcomes and improved clinic efficiency.



Between treatment sessions, dispense an InTENSity™ portable unit. The **InTENSity™ Portable Series** allow patients to continue their therapy at home. With advanced waveform technology, user-friendly body presets and customization modes, patients will find relief from the most challenging acute, chronic and arthritic pain.

InTENSity™, a trusted brand by both professionals and patients alike, providing the best treatment options for pain management and rehabilitation.





CONTENTS:

InTENSity™ EX4	4
InTENSity™ CX4	7
InTENSity™ Portable Series	10
Accessories/Replacement Parts	11



TENS | NMS | IF
RUSSIAN | HIGH VOLT
MICROCURRENT

InTENSity™ EX4

The **InTENSity™ EX4** is an advanced four-channel multifunctional electrotherapy system offering the practitioner a wide range of treatment options in one user-friendly, ergonomic design.

Equipped with a color, touchscreen menu-driven interface that intuitively groups and displays clinical protocols, guiding clinicians step-by-step to ensure the ideal therapeutic treatment. 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 (linked) or totally independent with different protocols running simultaneously.

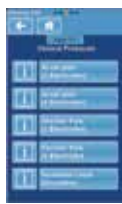
The wide-ranging capability of the **InTENSity™ EX4** includes:

- Interferential Stimulation Premodulated (2 Pole IFC)
- Interferential Stimulation Traditional (4 Pole IFC)
- Biphasic (TENS)
- Neuromuscular Stimulation (NMS)
- Russian Stimulation
- High Volt Pulsed Current
- Microcurrent

In addition, the **InTENSity™ EX4** offers a comprehensive library with treatment education and suggested electrode placement for better treatment outcome and improved clinic efficiency.



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

- 4 channels of independent stimulation can be used in combination (linked) or totally independent
- Multi-patient function provides the ability to treat up four 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, & 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 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
- Comes complete with EX4 device, Axelgaard® Electrodes (2" x 2" and 2" x 3.5" electrodes, 3" x 5" dispersive electrodes), rubber electrodes (2.5" x 3.5" and 2.75" x 4.3" electrodes), two straps for rubber electrodes, lead wires, power cord, patient kill switch, instruction manual, quick start guide, and a CD with electronic manual
- Optional therapy cart (DQCART) integrates with the unit and keeps supplies organized and ready for treatments
- Three-year warranty

ELECTROTHERAPY SPECIFICATIONS

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 μ sec
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 μ sec
Interphase Interval:	120 μ sec
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

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

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

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 μ sec
Pulse Amplitude:	CV: 0 – 500 V
Ramp:	1s, 2s, 5s
Treatment Time:	1 – 60 minutes

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:	092237615225

SHIPPING SPECIFICATIONS

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



- Minimum Advertised Price*
- \$1,499.95 for the InTENSity™ EX4
 - \$1,999.95 for the InTENSity™ EX4 with Therapy Cart

Item #	Description	Qty
DQ7000	InTENSity™ EX4 Clinical Multifunctional Electrotherapy System	each
DQ7001	InTENSity™ EX4 Clinical Multifunctional Electrotherapy System with Therapy Cart	each



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.

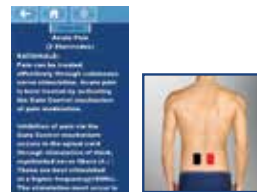
ELECTROTHERAPY AND ULTRASOUND



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 (DQ8000W1)
- Therapy cart (DQCART)

ELECTROTHERAPY SPECIFICATIONS

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 $\pm$ 10% (set by Duty Cycle)
Ramp (Fixed):	1s
Treatment Time:	1 – 60 minutes

AMPLITUDE

Duty Factor $\geq$ 80%:	2.0 W/cm ²
Duty Factor $\leq$ 70%:	3.0 W/cm ²
Treatment Timer:	0 – 30 min $\pm$ 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.



Minimum Advertised Price*

- \$2,199.95 for the InTENSity™ CX4
- \$2,699.95 for the InTENSity™ CX4 with Therapy Cart

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

InTENSity™ Portable Series

The **InTENSity™ Portable Series** is full line of high quality portable modality units, offering patients the latest in treatment options and waveforms in a user-friendly, ergonomic design. Each rechargeable device is equipped with body-part specific settings that intuitively guides the patient step-by-step to ensure the ideal therapeutic treatment, as well as customizable settings for targeted relief. Have your patients continue their therapy at home and help break the pain cycle.

Preset Programs by Body Part and Manual Settings



TENS



TENS/NMES



TENS/IF



TENS/NMES/IF/RUSS



FEATURES

- 2 channels of independent stimulation output
- Waveforms available include TENS, NMES, IF, and Russian
- Powerful IF therapy - up to 10,000 Hz (DI2738 & DI2195 only)
- 2500 Hz of Russian therapy (DI2195 only)
- 6 body-part specific settings (neck, shoulder, hand, lower back, knee, foot) each equipped with pre-set programs with appropriate parameters for a variety of conditions along with a manual feature for user-defined customization
- Compliance meter
- Safety lock feature
- User-friendly, sleek design with large LCD display and convenient easy-to-use controls
- Preset and adjustable treatment times
- Low battery indicator
- Rechargeable lithium ion battery with USB/wall charger and LED charging indicator light
- Each includes device, 4 pack of InTENSity™ electrodes, pair of lead wires, lithium ion battery, wall/USB charger, belt clip, instruction manual, quick start guide and carrying case
- 1 year warranty

Item #	Description	Qty
DI1212	InTENSity™ 12 Portable TENS Pain Relief System	each
DI2717	InTENSity™ Twin Stim IV Portable TENS & NMES Pain Relief System	each
DI2738	InTENSity™ IF Combo II Portable TENS & IF Pain Relief System	each
DI2195	InTENSity™ Select Combo II Portable TENS, NMES, IF & Russian Pain Relief System	each

InTENSity™ Therapy Cart

The **InTENSity™ Therapy Cart** integrates with either unit (EX4 or CX4) and keeps supplies organized and ready for treatments.

- Sleek design integrates with unit to minimize cord and cable hazards
- Six separate concealed storage baskets on each side to keep supplies organized
- Four swivel casters move smoothly over surfaces
- Two wheel locks to keep cart in place during treatments
- Easy to clean
- UPC: 092237615256



PRODUCT SPECIFICATIONS

Product Dimensions:	17" x 16.25" x 33.75"
Product Weight	30 lbs.
Ship Dimensions:	26" x 23.25" x 41"
Ship Weight:	45 lbs.

Item #	Description	Qty
DQCART	InTENSity™ Therapy System Cart	each

TheraSonic™ Ultrasound Gel

TheraSonic™ Ultrasound Gel is recommended for all medical ultrasound procedures where viscous gel is required. Widely used for diagnostic and therapeutic medical ultrasound, TheraSonic™ is a non-greasy, non-staining and hypoallergenic formula that will not stain clothing or damage transducers. Available in a variety of sizes.



Item #	Description	Qty
LC2828	TheraSonic™ Ultrasound Gel, 2-oz. Bottle	each
LS5288	TheraSonic™ Ultrasound Gel, 8-oz. Bottle	each
LS5266	TheraSonic™ Ultrasound Gel, 16-oz. Bottle	each
LS5255	TheraSonic™ Ultrasound Gel, 5 Liter Container (1.3 gallon) with 8-oz. Refillable Bottle	each

InTENSity™ Self-Adhesive Electrodes

- Our most popular electrode
- Reusable, self-adhering tan cloths is flexible
- Made with Tyco™ Hydrogel for superior conformability
- Molded connector provides superior connection to lead wires



Item #	Description	Shape	Qty	Case Qty
EP2020TC2-INT	InTENSity™ 4 Pack Electrodes - 5 cm x 5 cm (2" x 2") Tan Cloth, Tyco Gel, Poly Bag	■ Square	4/pk	400/case

Axelgaard™ ValuTrobe® Electrodes

Axelgaard™ ValuTrobe® Electrodes combine high quality materials with comfortable stimulation.

- Carbon conductive film incorporated into flexible white cloth
- With MultiStick® Hydrogel and dual layer adhesive technology, ValuTrobe® Electrodes provide optimal bonding and conformability



Item #	Description	Shape	Size	Qty
EA2020WC-VTX	Axelgaard™ ValueTrobe® X Electrodes, White Cloth	■ Square	2" x 2"	4/pk
EA2035WC-VT	Axelgaard™ ValueTrobe® Electrodes, White Cloth	■ Rectangle	2" x 3.5"	4/pk
EA3050WC-VT	Axelgaard™ ValueTrobe® Electrodes, White Cloth	■ Rectangle	3" x 5"	2/pk

Rubber Electrodes

Rubber electrodes are non-gelled and offer low impedance. They are insulated for safe handling, and require use of a conductive medium such as water, gel, or conductive spray. Wet sponge pads can also be used as a medium. Available in a two sizes with 2mm pin connector.



Item #	Description	Shape	Size	Qty
ER2535B2	Rubber Electrodes	■ Rectangle	2.5" x 3.5"	4/pk
ER2743B2	Rubber Electrodes	■ Rectangle	2.75" x 4.3"	4/pk

Elastic Wraps

Made from a stretchable loop material, these elastic wraps are perfect for holding the rubber electrodes in place, ensuring good contact.

- Secures proper placement of electrodes
- Allows for a moderate degree of stretch
- Hook-and-loop fastener holds wraps in place
- Available in two sizes



Item #	Description	Size	Qty
EW3023BW2	Elastic Wraps	3" x 23.5"	2/pk
EW3047B2	Elastic Wraps	3" x 47"	2/pk

Sound Head Applicators

Pre-calibrated, water resistant and ergonomically designed sound head applicators operate with 1 or 3 MHz ultrasound frequencies.



Item #	Description	Qty
DQ8000W1	1 cm ² Sound Head Applicator	each
DQ8000W5	5 cm ² Sound Head Applicator	each

Lead Wires



WQ8000



WQ8000-SNGL

Item #	Description	Qty
WQ8000	78" Shielded Lead Wires for EX4 and CX4 Models	each
WQ8000-SNGL	78" Combination Shielded Lead Wire for CX4 Model only (for use in Combination Mode)	each

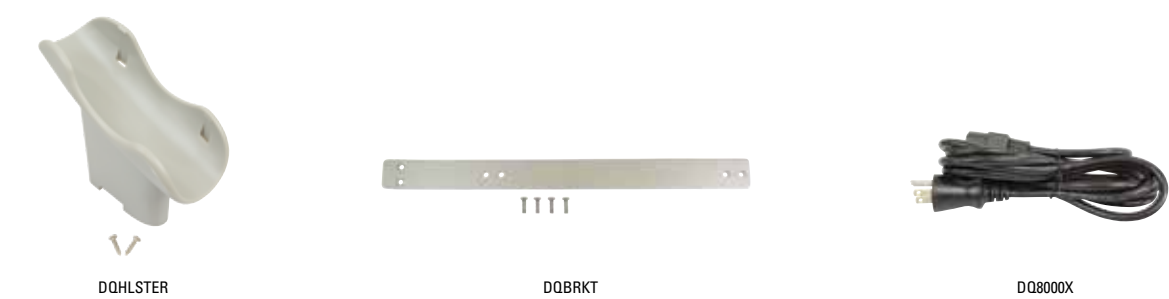
Patient Kill Switch

Patient remote kill switch connection allows patient to stop treatment at the push of a button.



Item #	Description	Qty
DQSWITCH	Patient Kill Switch with 78" Cord	each

InTENSity™ Professional Series Replacement Parts



Item #	Description	Qty
DQHLSTER	Ultrasound Holster	each
DQBRKT	Ultrasound Bracket with Screws	each
DQ8000X	96" Replacement Medical Grade Power Cord	each

InTENSity™ Professional Series Instruction Manuals



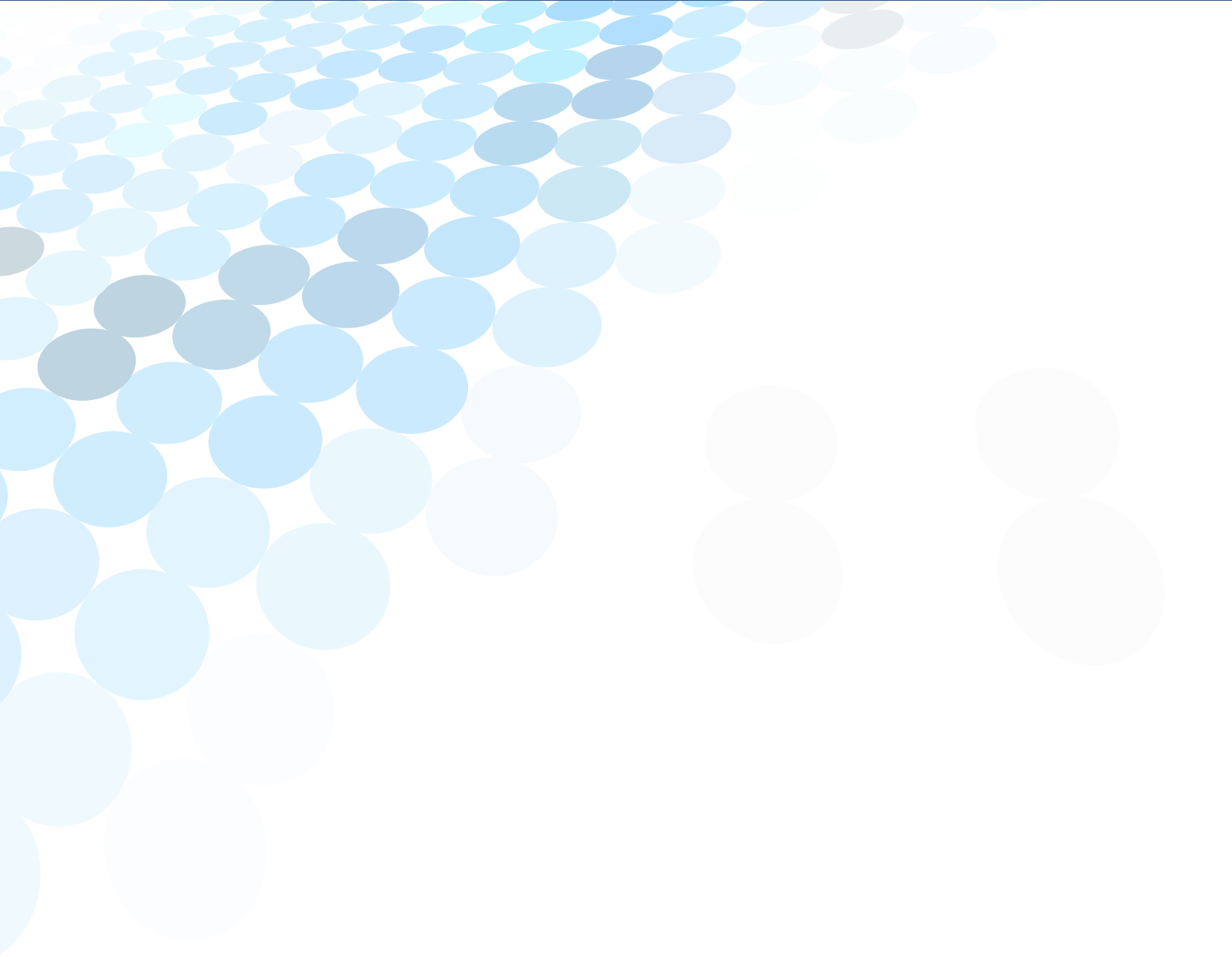
Item #	Description	Qty
DQDISC	InTENSity™ Professional Series Manual on CD/Disc	each
DQ8000-MAN	InTENSity™ Professional Series Printed Manual (NOTE: 2 Week Lead Time)	each

* MAP Policy: Any reseller’s advertising showing the InTENSity branded products may not advertise below (but may advertise above) the minimum advertised prices published by Roscoe Medical for such products. For more information on MAP Policy and Guidelines, please visit www.roscoemedical.com.

** 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.

Notes:

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Toll Free: 1.800.376.7263
www.roscoemedical.com

© 2015 Roscoe Medical® CAT151ROS-TENS