

Myoguide™



Key Benefits

- Small and portable and enables the user to easily increase treatment efficacy and reduce side effects
- EMG amplifier, stimulator, signal display for raw and processed EMG signals and an EMG audio section
- Enables the clinician to see and hear, as well as identify involved muscles, before any drug is injected
- Digital scope with raw EMG signal, instantaneous iEMG bar graph and average RMS value
- Better site selection and increased accuracy may lead to reduced drug dosages

Myoguide™

Myoguide is a battery powered, handheld, EMG amplifier with audio feedback, LCD EMG signal and device status display, and current stimulation ranging from 0 mA - 20 mA. This device is internally powered and rated for continuous use. The patient input connection is a type BF applied part.

Myoguide is designed to amplify electrophysiological signals from muscle and provide audio feedback to assist clinicians in locating areas of muscle activity. The Stimulator can be used as an adjunct. Myoguide provides muscle and nerve localization information, to accurately guide and monitor needle electrode insertion, and/or injection of neuromodulator drugs, into a muscle in the human body. Any drug used will be that of the choice of the physician.

The large LCD display provides the complete system status at a glance. EMG audio, EMG signal display, EMG RMS Value, Integrated EMG signal strength and stimulation capability, increases efficacy for injection point localization. The simple control panel is intuitive and easy to operate.

Myoguide operates in two modes: "[EMG]" and "[Stimulation]". The default mode, "[EMG]", records electromyographic (EMG) signals from electrodes placed on the subject. The second mode, "[Stimulation]", enables Myoguide's onboard stimulator to stimulate through the needle electrode that was used to record the EMG. This enables the clinician to record and stimulate through the same needle electrode. The <Mode> switch is used to change the state of operation. Myoguide will automatically power off after 30 min. of inactivity to conserve battery life.

Specifications

Specifications Intronix Model 8008 Myoguide Main Unit	
INPUT RESISTANCE:	>10MΩ
ELECTRODE IMPEDANCE:	200Ω-10kΩ
CMMR:	>80dB
SIGNAL TO NOISE RATIO:	>110dB
GAIN:	9 gain settings are set with the <H> adjustment: 200, 500, 1000, 1500, 2000, 2500, 3000, 3500 and 4000
STIMULATOR	Output current: 0– 20mA +/- 10%. Adjustable in 1 mA steps 0– 10 Hz, (5 steps) +/- 5% pulse width can be selected as: 50, 100, 200, or 500 uS pulse width +/- 1% square waveform.(20mA max into a 10kOhm load)
AUDIO POWER (maximum):	1 W
MAIN UNIT INPUT CONNECTORS:	"Touchproof" type (3 pin molded)
DISPLAY:	LCD 160 X 64 pixels with backlight available
POWER SUPPLY:	4 AA Alkaline batteries (approximately 5.0 Volts DC)
ENCLOSURE:	Flame retardant ABS, UL flammability rating 94V-0
DIMENSIONS:	5.9"L x 4.0"W x 2.1"H (150 mm x 100 mm x 54 mm)
WEIGHT:	Approx. 1lb. (445 grams) with cable (not including batteries)
WARRANTY:	1 year (batteries excepted)



Specifications Intronix Model 8008 Myoguide System Cable	
CONNECTORS:	One 4-pin molded touchproof female connector designed to mate with the Intronix Model 8008 Myoguide System. The opposite end of the cable ends in three male color coded touchproof connectors, red, green and black.
CABLE LENGTH:	28 inches (71cm) from touchproof female connector to touchproof male connector. Red Alligator extension, 3". Black Alligator extension, 2". Green Alligator extension, 5.5".
WEIGHT:	Approx. 0.1lb. (50grams) with main unit
WARRANTY:	1 year

Ordering specifications

Item no.	Description
900 000 255	Intronix Model 8008 Myoguide Main Unit

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