

## Care EMG<sup>®</sup>

Home biofeedback  
for muscle  
rehabilitation  
& relaxation



Provides the clinician with  
objective data

Effectively teaches the patient  
how to contract or relax the  
correct muscles

Accelerates the rehab process

Increases patient motivation

Minimizes muscle atrophy  
if used soon after surgery  
or injury

Care EMG<sup>®</sup> features an easy to read LCD screen which displays the patient's biofeedback reading, work and rest times, and target threshold. An LED across the front turns from yellow to green once the patient meets their target threshold. Care EMG<sup>®</sup> also provides audio feedback and can measure EMG readings as low as 0.2 microvolts.



***Be Active. Stay Active.***

# Care EMG<sup>®</sup> for muscle rehabilitation and relaxation

Easy to read  
high resolution  
digital display

Displays  
treatment  
statistics

Belt clip

LED lights  
visually indicate  
microvolt output

Convenient  
stand

Lightweight,  
ergonomic design

Accurate  
& sensitive



## SPECIFICATIONS:

### Single channel

**EMG range:** 0.2 to 2000  $\mu$ V RMS (continuous).

**Sensitivity:** 0.1  $\mu$ V RMS.

**Accuracy:** 4% of  $\mu$ V reading +/- 0.3  $\mu$ V at 200 Hz.

### Selectable bandpass filter - 3db bandwidth:

Wide: 18Hz +/- 4 Hz to 370 Hz +/- 10%.

Reading below 235 microvolts.

10 Hz +/- 3 Hz to 370 Hz +/- 10%.

Reading above 235 microvolts.

Narrow: 100 Hz +/-5% to 370 Hz +/- 10%.

**Notch filter:** 60Hz - 33 dbs (0.1% accuracy).

### Common mode rejection ratio:

130 dbs minimum @ 60 Hz.

**Battery:** PP3 Alkaline.

**Work/Rest periods:** 2-99 seconds.

**Number of trials:** 1-99.

**Low battery indication** at 7.4 volts +/- 0.2 volts and automatic shut off 10 minutes after last key pressed, unless infra-red is turned on.

### Environmental conditions for storage & transport:

-14 to +95 degrees, 0-90% humidity.

### Physical dimensions:

Length 5.05", Width: 2.51",

Depth: 1.11" excluding belt clip.

**Weight:** 8 oz (including battery).

## SUPPORTING RESEARCH AND REFERENCES:

Phys Ther. 1990 Jan;70(1):11-7. "Electromyographic biofeedback and recovery of quadriceps femoris muscle function following anterior cruciate ligament reconstruction." PMID: 2294526

Phys Ther. 1991 Jun;71(6):455-61; discussion 461-4. "Electrical stimulation versus electromyographic biofeedback in the recovery of quadriceps femoris muscle function following anterior cruciate ligament surgery." PMID: 2034708

*Federal Law (USA) restricts this device to sale by or on the order of a physician so licensed by the state.*



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