



Guideline 4000™ 5.0 Remote Control

Directions for Use - Supplementary Information

L011-85-06 (Rev C1, 2019-11-05)

Contains directions for the following products:
MT-LPP, C0222

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EC REP



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Indications for Use

The microTargeting™ Guideline 4000™ 5.0 is intended to record and stimulate electrophysiological activity, as well as aid in the accurate placement of electrodes and other instruments.

Intended Use

The C0222 Guideline 5 Remote Control is a core component of the microTargeting™ Guideline 4000™ 5.0 System, enabling stimulation through the interfaces and control of electrode depth when the system is configured with the C0223 Integrated Power Assist Controller. Please refer to the Directions for Use for the Interfaces and the Integrated Power Assist Controller for more detailed instructions.

Symbol Key

	WARNING / Caution, consult instructions for important cautionary information.		Medical device manufacturer, as defined in EU Directives 90/385/EEC, 93/42/EEC and 98/79/EC.
	Consult the instructions for use.		Telephone number
	Caution-Federal Law (USA) restricts this device to sale by or on the order of a physician.		Authorized Representative in the European Community.
	In reference to "Rx only" symbol; this applies to USA audiences only.		European Conformity. This device fully complies with MDD Directive 93/42/EEC and legal responsibilities as a manufacturer are with FHC, Inc., 1201 Main Street, Bowdoin, ME 04287 USA.
	Indicates the catalog number so that the medical device can be identified.		Indicates the temperature limits to which the device can be exposed.
	Indicates the serial number so that a specific medical device can be identified.		Range of humidity to which medical device can be exposed.
	Instructions for end of life disposal.		
	Range of atmospheric pressure to which medical device can be exposed.		

Unit Symbol Key			
	Set Origin		Increase Stimulation Amplitude
	Auto-Retract to Origin		Decrease Stimulation Amplitude
	Type BF Applied Part		Advance Drive Motor
	Apply Simulation		Retract Drive Motor
			Drive Speed Selector
			Remote Control Connection

C0222 - Remote Control Specifications

Dimensions: Length-20cm, Width-6cm, Height-5cm

Weight: < 0.5kg

Cord Length: 3-meters

Dual Mode: Stimulation Control when stimulation dialog is open, Motor Control otherwise; Safety Cover for activation of stimulus.

Illustrative Procedure

Applying Stimulation:

Stimulation may only be applied when the stimulation dialog is opened within the application, one or more source channels have been selected, and the Drive Speed Selector is in its lowest position, as shown in the figure. When this is the case, the stimulator is considered armed, and the Apply Stimulus button will light to indicate this. Stimulus will only be applied after the Apply Stimulus button on the remote control is pressed. A flip-up safety cover is in place to prevent the accidental triggering of the stimulator. Stimulus amplitudes can be adjusted while stimulating with the Amplitude Adjustment rocker switch.

NOTE: For systems with an Integrated microTargeting Controller Card installed, if the Drive Speed Selector switch is in any position other than the lowest position the Amplitude Adjustment switch will adjust the drive position, Rather than the amplitude of stimulation.



By default, stimulation will be applied only while the apply stimulus button is depressed. If the Fixed Duration check-box is checked, the button must only be momentarily pressed. The stimulation will be applied for the selected duration and stop automatically. Pressing the button again at any point during the fixed duration will cancel all stimulation immediately.

Controlling Electrode Depth:

When the Guideline 5 system is configured with the C0223 Integrated Power Assist Controller Card, the remote control will control drive depth anytime the Stimulation dialog is not opened. The drive may be advanced and retracted using the rocker switch. The Drive Speed Selector has 4 settings and sets the speed at which the drive will advance and retract. The bottommost setting will prevent the drive from moving at all.

Prior to zeroing the drive, the remote can be used to position the drive at the starting depth. Press the Zero Drive & Auto/Retract button to indicate that the drive is at its starting depth. Once zeroed, the drive system will be able to report the current depth.

To retract the drive to the starting position automatically, press and hold the Zero Drive & Auto/Retract button for approximately three seconds. This will cause the drive to automatically retract to its starting position. Pressing any button while the drive is retracting will cancel the auto-retraction sequence.



End-of-life System Disposal

Return the Guideline 5 system, including all components and accessories, to FHC for environmentally conscious end-of-life disposal once it is no longer in use. Please contact a FHC factory-authorized representative to arrange a return.