

**PAJUNK®**

*MultiStim SENSOR*  
*Clear and efficient*



**Plexus**

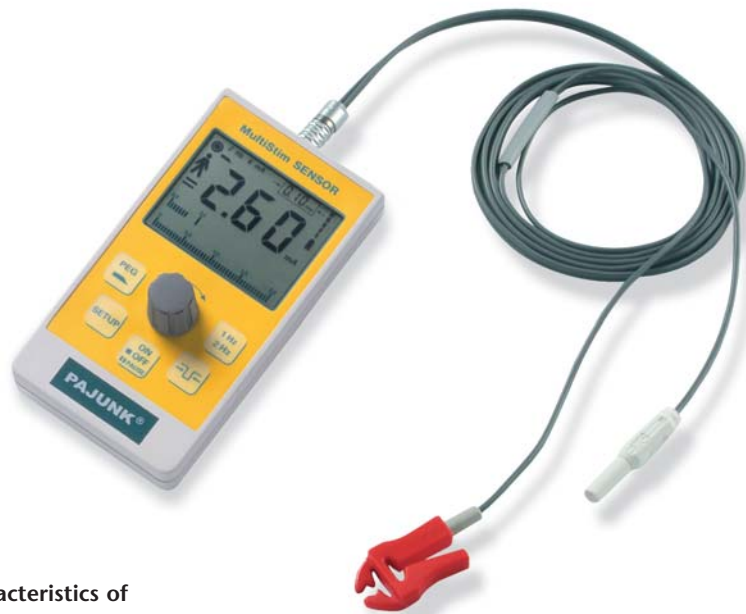
Clear to see and easy to use:

# The MultiStim SENSOR

## MultiStim SENSOR

With the introduction of the MultiStim SENSOR, PAJUNK® configures a foundation for a new generation of nerve stimulators for regional anesthesia. The device offers a multitude of functions for more safety and efficiency in plexus anesthesia. The essential difference to common stimulating devices is the following: The MultiStim SENSOR supports a patient-

friendly and percutaneous localisation and identification of nerves with the help of a stimulating handle, the PEG-electrode (Percutaneous Electrode Guidance). Only then the cannula is fed into the puncture area (which was identified by utilizing the method mentioned above) and the stimulation is switched by the push of a button from the stimulating handle to the cannula.



## Performance Characteristics of MultiStim SENSOR at a glance

- Large and easy to view display
- Analog and digital display of stimulating voltage
- Analog setting of electrical current by incremental turning knob
- Integrated safety features
- Stimulation switchable between cannula and percutaneous stimulating handle (PE)
- Highly precise, constant electrical current adjustment through microprocessors



## Stimulating Voltage

The actual stimulating electrical current stream through the patient is constantly measured and displayed in numerical as well as analogical form, showing up in form of beams on the

display. The electrical current is also compared constantly and displayed optically or acoustically in case that the actual streaming current differs from the set current strength.

## Pause

By activating the Pause button, the stimulation may be interrupted. That way, changes on all stimulating parameters without impulse output may be constantly compared and displayed

optically or acoustically, if the actual streaming electrical current differs from the preset electrical current.



### Adjustable Stimulating Impulse Width

The stimulating impulse width is easily and quickly adjustable through an own key, in multi-steps – from 0.05 ms over 0.1 ms, 0.2ms,

0.3 ms, 0.5 ms to 1.0 ms for example for the selective stimulation of sensory and motor nerve fibers in composite nerves.



### SETUP

The device has a setup-function. By using the setup function you as the user may program

your individual starting parameters for the percutane and invasive uses.



### Optional Nerve-Location via Handle

While with conventional stimulating devices the puncture spot is determined through the anatomic map, with the MultiStim SENSOR, there is the option of locating the puncture spot via the PEG-electrode. With this method, a nerve is stimulated through the skin and, if successful,

a reflex is initiated without a puncture required. The cannula is then inserted into the located puncture spot and the stimulating electrical current is converted by the push of a button onto the cannula. The cannula is then placed per common technique.



### PEG and Cannula Pushbutton\*


By activating either the PEG or the cannula pushbuttons, the stimulation may be switched – according to requirements – onto the handle or the cannula, respectively. Each active electrode

is displayed through the adequate status display. The stimulating electrical current frequency and impulse width are adjustable separately for the two exits. (If the PEG-handle is not connected, this pushbutton has no function).

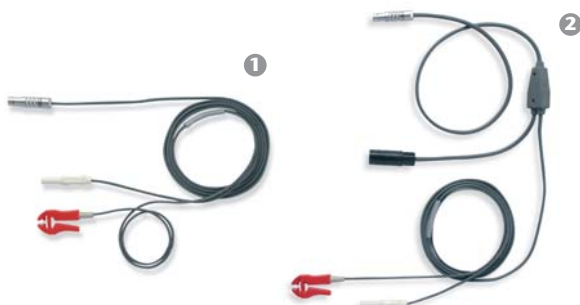


\*) only if optional PEG-cable and PEG-electrode is used

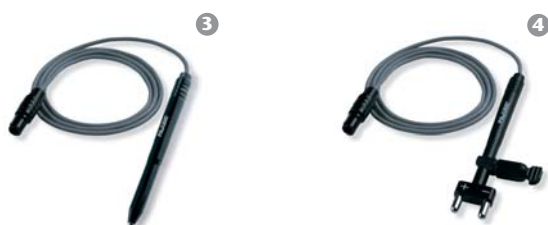
## Nerve Stimulator: MultiStim SENSOR

Device Type:	BF 
Battery:	9V
Continuous Reception:	3,3 mA
Current Range:	max. 6 mApp / 60 mApp 0 v – 12 kV
Stimulating Voltage:	max. 65 Vpp
Stimulating frequency:	1 Hz, 2 Hz

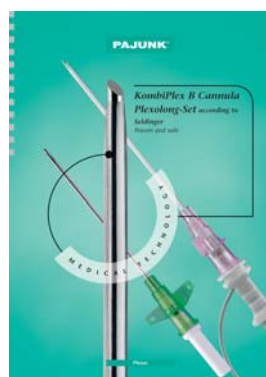
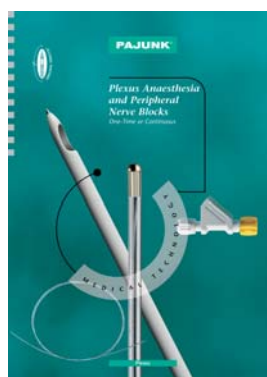
MultiStim SENSOR



Accessories



Product	Item No.
<b>MultiStim SENSOR</b>	
incl. Instrument case and patients cable for the connection of Stimulating Cannula	1151-94-30
incl. Instrument case, PEG-Cable for connection of Stimulating Cannula and monopolar Stimulating handle	1151-94-32
Accessories	Item No.
1 Cable for connection of Stimulating Cannulae	1151-94-05
2 PEG-Cable for connection of Stimulating Cannulae and monopolar Stimulating Handle	1151-94-06
3 PEG-Electrode – Percutane, monopolar Stimulating Handle, autoclavable	1151-94-17
4 PEG-Electrode – Percutane, bipolar Stimulating Handle with extractable Cannula Guiding, autoclavable	1151-94-16
Extension Cable for connection of Stimulating Cannula, autoclavable	01151-861F
Disposable Extension Cable, for connection of Stimulating Cannula, sterile	01151-861Q



### تجهیز گستر آگرین

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