



MultiStim ECO

State of the art nerve stimulation



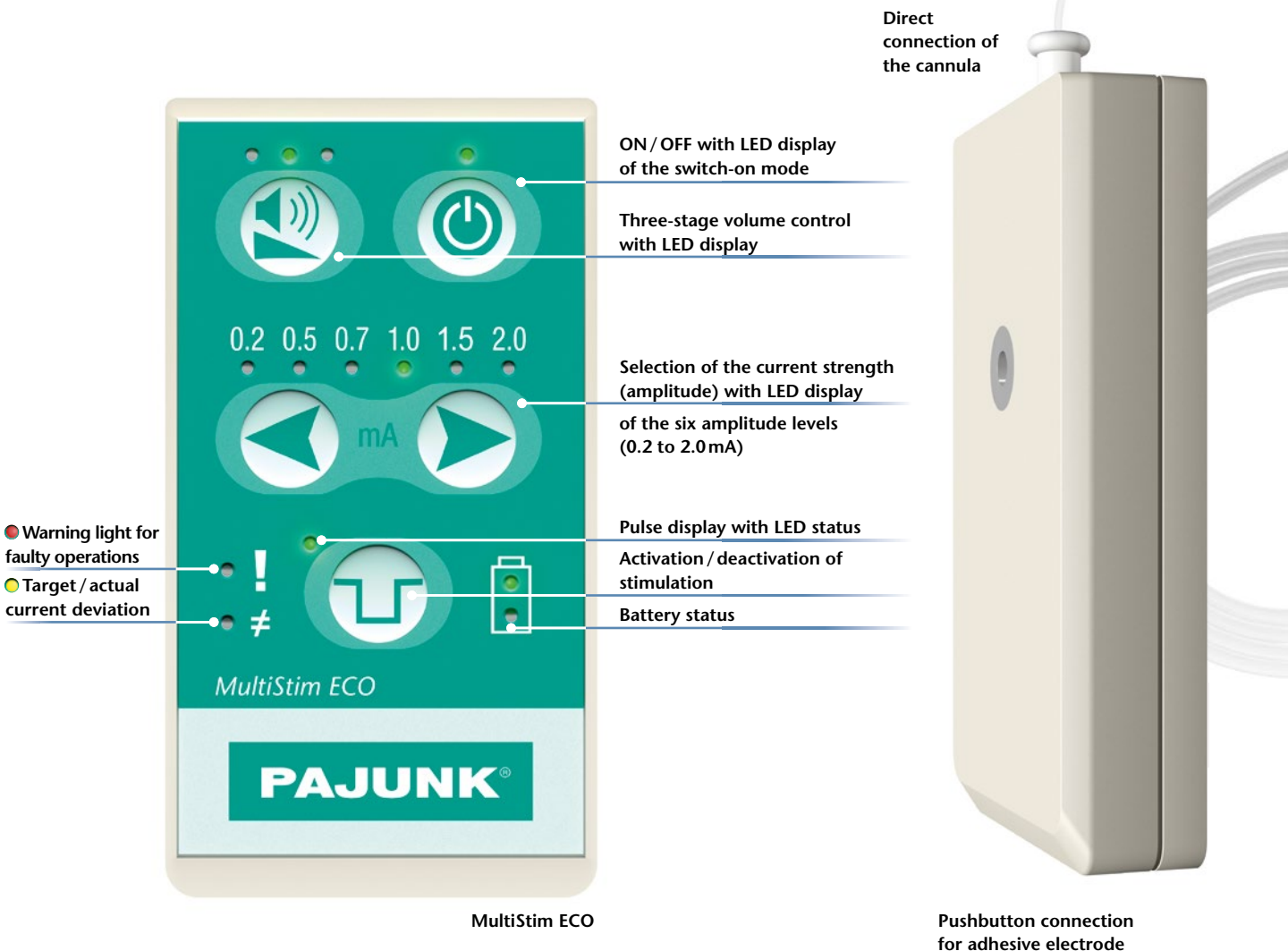
MultiStim ECO

Combined procedure

The combined use of ultrasound and nerve stimulation for the identification of nerve structures has established itself as a routine procedure as it provides an additional measure of safety. In this way, the imaging of the individual anatomy and the simultaneous control of the distance of the cannula to the nerve using stimulation enables an optimization of the puncture accuracy for each anaesthetist.¹

With the MultiStim ECO, PAJUNK® has added a device to its range of products of nerve stimulators that is simple to operate and suitable for combined as well as exclusive use of the stimulation technique. It is characterized in particular by the following properties:

- ➔ Small, compact device – complies with the requirements of combined procedures very well
- ➔ Simple operation – manual settings are limited to the parameters proven in practice^{2,3}
- ➔ No patient line – cannula is directly connected to the device



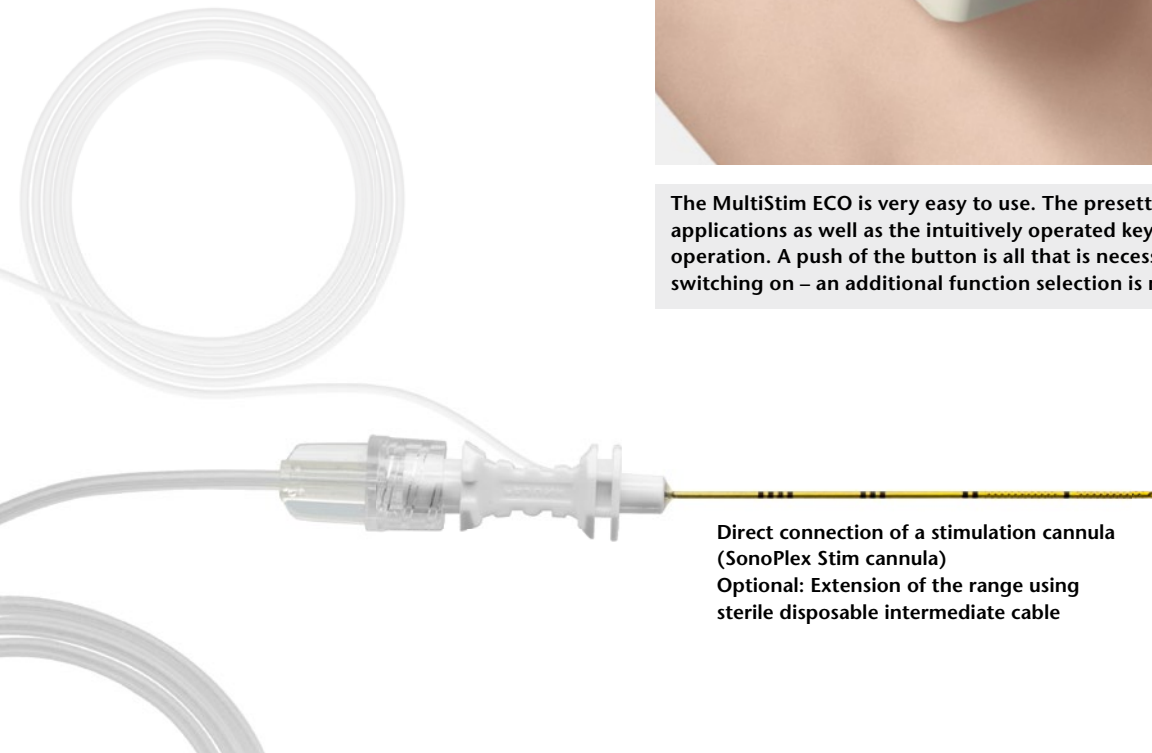
1 Tsui, Ultrasound-guidance and nerve stimulation: implications for ..., 2007; 54(3): 166f

2 Steinfeldt, Schwemmer, Volk, Neuburger, Wiesmann, Heller, Vicent, Stanek, Franz, Wulf, Kessler, Nerve localization for ..., 2014; 63(7): 600

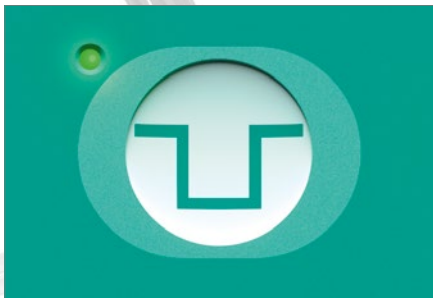
3 Meier, Büttner, Atlas der peripheren Regionalanästhesie ..., 2006; 235



The MultiStim ECO is very easy to use. The presetting is adapted to standard applications as well as the intuitively operated keyboard enable one-hand operation. A push of the button is all that is necessary for activation after switching on – an additional function selection is not required.



Direct connection of a stimulation cannula (SonoPlex Stim cannula)
Optional: Extension of the range using sterile disposable intermediate cable



Fixed defined presettings

The frequency is predefined at 1 Hz and the stimulation pulsewidth at 0.1 ms. Due to safety reasons, stimulation is first activated or deactivated by a touch of the stimulation button.



Variation of the current strength

Depending on the special requirements of an application, the current strength can be gradually set on a six-level amplitude scale from 0.2 to 2.0 mA. Arrow buttons are used for operation in both directions.



No interfering patient line

The MultiStim ECO has a pushbutton connection on the lower side of the device and is clicked directly on the adhesive electrode. The stimulateable cannula is connected directly to the MultiStim ECO.

MultiStim ECO

The system at a glance

MultiStim ECO



MultiStim ECO



Disposable intermediate cable

Product

MultiStim ECO
incl. instrument case

Art. No.

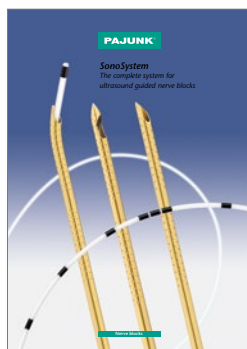
1151-94-50

Disposable intermediate cable
for connecting stimulation cannulas, sterile

1151-861Q

*Studies

- Tsui B. C. H. Ultrasound-guidance and nerve stimulation: implications for the future practice of regional anesthesia, *Can. J. Anesth.* 2007 Mar; 54(3): 165–170
- Steinfeldt T., Schwemmer U., Volk T., Neuburger M., Wiesmann T., Heller A. R., Vicent O., Stanek A., Franz M., Wulf H., Kessler P. Nerve localization for peripheral regional anesthesia: Recommendations of the German Society of Anaesthesiology and Intensive Care Medicine, *Anesth.* 2014 Jul; 63(7): 597–602
- Meier G., Büttner J. Atlas der peripheren Regionalanästhesie, Anatomie - Sonografie - Anästhesie – Schmerztherapie, 2. überarb. Aufl. Stuttgart: Thieme-Verlag, 2006
- Borgeat A., Capdevila X. Neurostimulation/ultrasonography: the Trojan war will not take place., *Anesth.* 2007 May; 106(5): 896–898



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