



# Intraoperative localization and functional monitoring of motor nerves and muscles

## In ENT, OMS and skull-base surgery

- Facial nerve and its branches
- Motor elements of the trigeminal nerve and its branches

## In neck dissection

- Accessory nerve and its branches

## In the surgical treatment of anorectal malformations

- Anal sphincter muscles

### THE APPLICATION BENEFITS

- ✓ The localization of motor nerves can reduce the risk of intraoperative nerve injury<sup>1</sup>
- ✓ Precise dissection in the treatment of anorectal malformations through localization of the anal sphincter muscles<sup>2</sup>

### Order numbers

Erbe NT 2	10142-000
Nerve test electrode handle	20190-148
Silver electrode	21191-052
Single-use return electrode (packing unit of 20)	20142-200
Return electrode cable, 5 m	20142-100
Fastening set for VIO D/S on APC 2/NT 2/VEM 2	20180-134

### Technical data

Power supply	via Erbe VIO D/S (NT 2 as an alternative to APC 2/VEM 2)
Potential equalization connection	yes
Pulse shape	negative
Pulse duration	optional: 50 ms or 330 µs
Pulse frequency	2 Hz
Stimulation type	constant current
Stimulation current	0.5 mA/1 – 25 mA, in 1 mA steps
Stimulation voltage	up to 100 V (depending on impedance)
Stimulation channels	1
Dimensions (width x height x depth)	410 x 80 x 370 mm
Classification in accordance with EC directive 93/42/EEC	II a
Type in accordance with EN 60 601-1	CF

<sup>1</sup> DELETIS, Verdán; SHILS, Jan: *Neurophysiology in neurosurgery, Chapter 13: Monitoring and Mapping the Cranial Nerves and the Brainstem: A modern intraoperative approach.* San Diego: Academic, 2002; LEONG, Stanley P. L.: *Role of selective sentinel lymph node dissection in head and neck melanoma.* In: *Journal of surgical oncology* 104 (2011), Nr. 4, S. 361–36,  
<sup>2</sup> RINTALA, Risto J.: *Congenital anorectal malformations: anything new?* In: *Journal of pediatric gastroenterology and nutrition* 48 Suppl 2 (2009), S79-82; HASSELBECK, Constanze; REINGRUBER, Bertram: *Sacral nerve stimulation is a valuable diagnostic tool in the management of anorectal and pelvic malformations.* In: *Journal of pediatric surgery* 47 (2012), Nr. 7, S. 1466–1471

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