





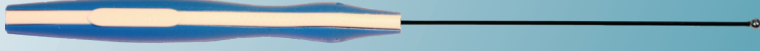









Nerve Monitoring: Defining our Standard of Care

Single-Use Stimulating Probes

Neurosign Stimulating Probes are designed to stimulate nerves during surgery. A variety of probes are available to allow coarse or precise stimulation. Probes terminate with DIN 42802 touchproof connectors, and may be used with any compatible and appropriate nerve monitor or stimulator.

<p>The concentric probe is accurate to approximately 0.5mm but will not stimulate easily through a layer of tissue P/N 3600-00</p>	 <p>100mm electrode length, 1mm diameter, flush end</p> 
<p>The standard bipolar probe has the tips spread apart by 3mm; it will penetrate tissue and bone and is best suited to thyroid surgery P/N 3601-00</p>	 <p>100mm electrode length, 3mm tip separation, 1mm exposed insulation</p> 
<p>The standard monopolar probe has a single stimulating electrode and needs a separate needle to act as a return. Used for coarse stimulation of a tumour mass P/N 3602-00</p>	 <p>100mm electrode length, 0.7mm diameter, 1mm exposed insulation</p> 
<p>The pedicle screw probe is a monopolar probe designed to aid in the placement of pedicle screws. It has a 3mm uninsulated ball on an insulated shaft P/N 3603-00</p>	 <p>100mm electrode length, 3mm ball uninsulated</p> 
<p>The precision bipolar probe has the tips only 1mm apart and the cathode (stimulating electrode) is identified. It is intended for mastoid surgery when stimulating through the canal wall P/N 3604-00</p>	 <p>70mm electrode length, 1mm tip separation, cathode blue, anode white</p> 
<p>The tapered monopolar probe is intended for coarse stimulation of the tumour mass, and is also suitable for more precise stimulation if the current is closely controlled. The shaft tapers from 1.5mm at the handle to 0.5mm at the tip P/N 3605-00</p>	 <p>70mm electrode length, 1mm exposed insulation</p> 
<p>All probes are supplied sterile, packed in boxes of 10 pieces, and have 1.9m of wire attached. Please note that monopolar probes require a separate needle electrode, 1705-00, to act as the return path for the current.</p>	

Procedure	Probe type	Part number
Parotidectomy	Concentric or bipolar probe	3600-00 or 3604-00
Mastoidectomy	Bipolar probe	3601-00 or 3604-00
Thyroidectomy Parathyroidectomy	Bipolar probe	3601-00 or 3602-00
Acoustic Neuroma Meningioma	Concentric or monopolar probe	3600-00 , 3602-00 or 3605-00
Spinal nerve roots	Pedicle screw or monopolar probe	3603-00 or 3602-00
* recommended probe in bold type		

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All the products carry the CE mark and comply with Medical Device Directive 93/42/EEC and are manufactured to Quality Systems BS EN ISO 13485.

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All material in this literature is produced in good faith.

<p>XL Monopolar Probe - used for lateral approaches to the L2-L5 vertebral levels P/N 4010-00</p>	 <p>200mm electrode length, 1.5mm diameter insulated shaft, rounded end</p> 
<p>Kartush Triple Hook Probe used for stimulation of nerve action potentials - use in conjunction with Double Hook recording electrode. Supplied individually boxed P/N 4003-00</p>	 <p>37mm electrode length, 2mm tip separation, right angle hook, insulation to hook, hook exposed Outer hooks are electrically connected</p> 
<p>Kartush Double Hook Electrode. Supplied individually boxed P/N 4009-00</p>	 <p>37mm electrode length, 2mm tip separation, right angle hook, insulation to hook, hook exposed</p> 
<p>2.3mm Pedicle Screw Probe - this probe has a smaller ball and longer electrode length than P/N 3603-00. Intended to ensure correct placement of pedicle screws P/N 4008-00</p>	 <p>130mm insulated electrode length, stiff shaft, 2.3mm ball uninsulated</p> 
<p>Kartush Surgical Instruments - a set of 3 instruments; 3mm ring dissector, curved needle, elevator, 3m connection cable, ground needle electrode. Supplied 3 instruments per pouch, individually boxed P/N 4007-00</p>	 <p>Insulated to working end, cable connection at end of instrument, cable and return needle electrode included</p>
<p>Kartush Surgical Instrument Curved Needle Supplied with 3m cable, individually boxed P/N 4016-00</p>	 <p>Insulated to working end, cable connection at end of instrument, cable included (requires 1705-99 needle electrode)</p>
<p>Kartush Surgical Instrument Elevator, Supplied with 3m cable, individually boxed P/N 4017-00</p>	 <p>Insulated to working end, cable connection at end of instrument, cable included (requires 1705-00 needle electrode)</p>
<p>All probes are supplied sterile, packed in boxes of 10 pieces unless stated otherwise, and have 1.9m of wire attached terminating in DIN 42802 connector. Please note that monopolar probes require a separate needle electrode, 1705-00, to act as the return path for the current.</p>	

Procedure	Probe type	Part number
Lateral Spine surgery	XL Monopolar probe	4010-00
Brachial plexus surgery	Kartush triple hook probe and double hook electrode	4003-00 and 4009-00
Posterior approach pedicle screw placements	2.3mm pedicle screw probe	4008-00
Skull-base tumours, mastoid, thyroid and parotid surgery	Kartush stimulating surgical instruments	4007-00, 4016-00, 4017-00

Available from: