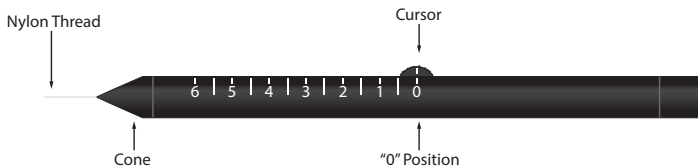


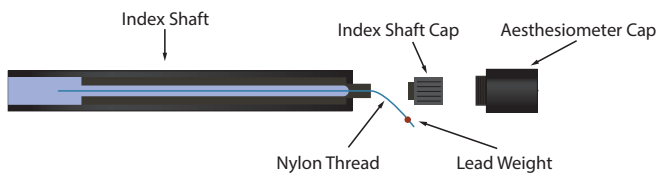
# Aesthesiometer Guide

Part Number: 605100



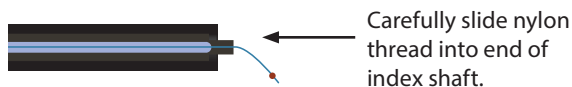
## Changing the Nylon Thread

1. Please read this guide completely before changing the nylon thread.
2. Bring the cursor to zero position to free the index shaft cap
3. Unscrew the aesthesiometer cap.
4. Unscrew the index shaft cap.
5. Pull the lead weight to remove the faulty thread completely.



Check that the end of the tube, where it emerges from the cone, is not damaged. If it is not in good condition, replace the cone and the tube.

Slide the new thread into the tube of index shaft from cap end leaving about 10 mm at the cap end. Take care to locate the most curved part of the thread in order to keep the straightest part outside the aesthesiometer.



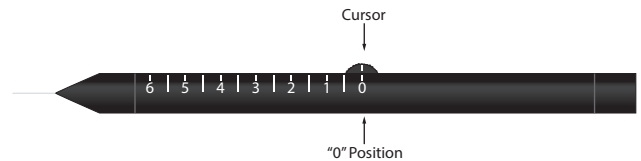
Slide nylon thread through index shaft.



Squeeze the lead weight at this end, leaving about 3 to 4 mm of thread, and without tightening too far (**overtightening might cut through the thread**) Screw index shaft cap back into place by hand, moderately tightly.

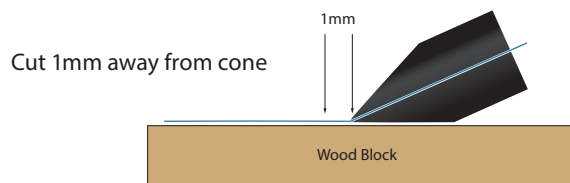
- Push the cursor to check that thread moves freely inside the tube.
- Before cutting the thread, leave the aesthesiometer to rest for one hour (This is necessary to stabilize the nylon).

Place cone on a flat surface (preferably hard wood) as shown below. Bring the cursor to the thrust-block over zero position



Hold the thread at point shown by the black arrow

Cut the thread at 0,5 mm of extremity of the cone, with a **perfectly sharp razor blade**.



**Important:** the thread must be cut very cleanly, to avoid any risk of damaging the patient's cornea.

Check that the aesthesiometer is working correctly by moving the cursor back and forth several times.

# Aesthesiometer Guide

Part Number: 605100

The test bed and the aesthesiometer were maintained during 1/2 day under controlled conditions of humidity and temperature (55%, 21°C) before being measured. Scales of values can therefore change if environmental conditions alter.

Nylon length in mm	60	55	50	45	40	35	30	25	20	15	10	5
Mean values of pressures in mm/S	5	5.5	6	8	9.5	11.5	15.5	20.5	31.5	58	116	180
Mean values of pressures in g/mm <sup>2</sup>	0.4	0.5	0.55	0.7	0.8	1	1.4	1.8	2.8	5.1	10.3	15.9

## Guide for cleaning, disinfection and use

Clean with alkaline detergent and disinfect for 15 min, using a solution of glutaraldehyde or another solution compatible with Nylon.

Start measurements by initially using the Nylon fully extended (scale reading 6). Apply the tip perpendicularly to the corneal surface and exert a slight pressure unit obtaining an inflection deviation of the wire of about 4%, (i.e., the first visible inflection).

Repeat this procedure, if it is necessary, with decreasing lengths and stop as of the initial reaction of the patient.