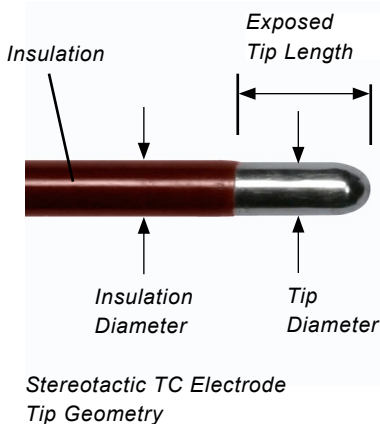


Stereotactic TC Electrode

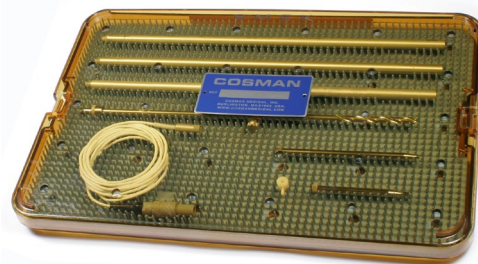
The Cosman Stereotactic TC Electrodes are indicated for use in RF heat lesion making procedures.

The TC Electrodes were designed by Bernard J. Cosman, MS and Eric R. Cosman, PhD. They have an insulated shaft except for an uninsulated electrode tip. They are available in a variety of standard shaft lengths, diameters, and tip lengths as shown in the table. The exposed tip has a rounded end and a built-in thermocouple (TC) temperature sensor for thermal monitoring of the RF lesion process. The TC Electrode comes with a metal protective tube for storage and sterilization.

Accessories are available separately. The **CB112-TC** Cable connects the TC Electrode to the Cosman RF Generators. The **C112-TC** Cable connects the TC Electrode to the Radionics RFG-3CF or RFG-3C Plus RF Generators. The **TC-CASE** is to store and sterilize TC Electrodes with their tubes, Cables, Depth Stops, Guide Tubes, and other accessories. Depth Stops, Guide Tubes, Reducing Tubes, and Drills are shown on the opposite page.



Stereotactic TC Electrode Tip Geometry



TC CASE

Standard Stereotactic TC Electrode Sizes

The Catalog Number for a TC Electrode is specified as **TC(A)(B)(C)**, where A, B, and C are given in the Table; for example, TC(1.6)(4)(250).

A Nominal Tip Diameter (mm)	Insulation Diameter (mm)	B Common Exposed Tip Lengths (mm)	C Common Shaft Lengths (mm)
0.7	0.84	2, 3, 4	200,250
1.1	1.24	2, 3, 4, 5	200,250
1.6	1.80	4, 5, 7, 10	200, 250, 300
1.8	1.98	4, 5, 7, 10	200, 250, 300
2.1	2.25	4, 5, 7, 10	250, 300

Note: Special TC Electrode sizes and custom shapes may be supplied by Cosman upon special order.



Cosman RF Generators

The Cosman RFG-1A and RFG-1B RF Generators feature:

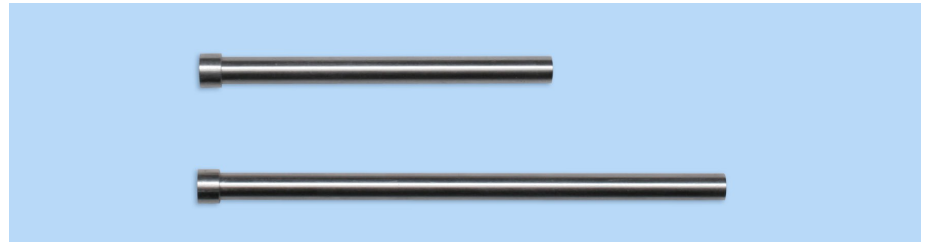
- The most modern and advanced electronics.
- Functionality, reliability, and safety.
- Simplified, easy-to-understand front panel with Impedance, Stimulator, Pulsed and Continuous RF Modes, Timer, and Temperature controls located logically from left to right.
- Automatic and manual RF modes.
- Large color-coded digital displays, easy-to-read from a distance.
- Clear panel layout, no confusing menus or program steps.
- Software upgradeability to accommodate new functionality.

The RFG-1A offers a wide range of stimulation parameters often used by neurosurgeons in stereotactic RF procedures. The RFG-1B is like the RFG-1A, but has a more limited range of stimulation parameters matched to the needs and efficient use of pain management specialists.



Cables

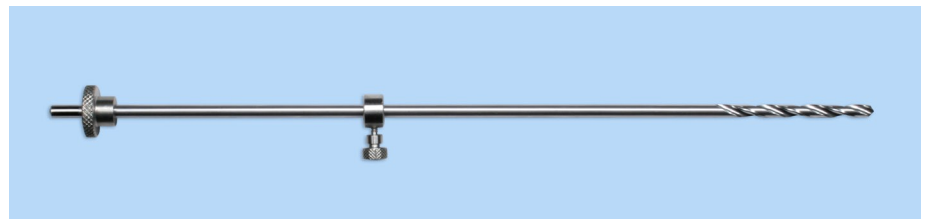
The CB112-TC TC Cable connects the TC Electrodes to the Cosman RF Generators. The C112-TC connects to the Radionics RF Generators.



GTRT Guide and Reducing Tube

These are unitized devices that have an outer diameter to fit the CRW Stereotactic System guide block and have inner diameters to guide various diameter Stereotactic TC Electrodes and stereotactic DA Drill Assemblies. For other styles to fit other stereotactic systems, consult the Cosman factory.

- GTRT(0.7)**; for 0.7 mm TC Electrodes.
- GTRT(1.1)**; for 1.1 mm TC Electrodes.
- GTRT(1.6)**; for 1.6 mm TC Electrodes.
- GTRT(1.8)**; for 1.8 mm TC Electrodes.
- GTRT(2.1)**; for 2.1 mm TC Electrodes.
- GTRT(2.7)**; for 2.7 mm DA Drill Assembly.
- GTRT(3.2)**; for 3.2 mm DA Drill Assembly.
- GTRT(4.6)**; for 4.6 mm DA Drill Assembly.
- GTRT(6.3)**; for 6.3 mm DA Drill Assembly.



DA Drill Assembly

These are commonly used stereotactic drills. They come with a knurled hub for manual drilling through bone, and a depth stop to limit penetration. If needed, order a GTRT separately.

- DA(2.7)**; 2.7 mm nominal diameter.
- DA(3.2)**; 3.2 mm nominal diameter.
- DA(4.6)**; 4.6 mm nominal diameter.
- DA(6.3)**; 6.3 mm nominal diameter.



DS Depth Stops

They can be clamped onto the shaft of the Stereotactic TC Electrodes to set a desired depth of penetration.

- DS(0.7)**; for 0.7 mm TC Electrodes.
- DS(1.1)**; for 1.1 mm TC Electrodes
- DS(1.6)**; for 1.6 mm TC Electrodes.
- DS(1.8)**; for 1.8 mm TC Electrodes.
- DS(2.1)**; for 2.1 mm TC Electrodes.



DGP-PM Disposable Ground Pad

This is a 110 square centimeter dispersive reference electrode for standard neurosurgical and pain therapy applications. They are sold in boxes of individually packaged DGP-PM's.

- DGP-PM-5**; Box of 5 each DGP-PM's.
- DGP-PM-10**; Box of 10 each DGP-PM's.
- DGP-PM-25**; Box of 25 each DGP-PM's.