

Quorum

Fitting instructions Carbon Rod Inserts Q150T

Check the machine is not operating.

Pull the Silver Knob on the top cover to release the latch.

Lift the top cover and lay back against its stop.

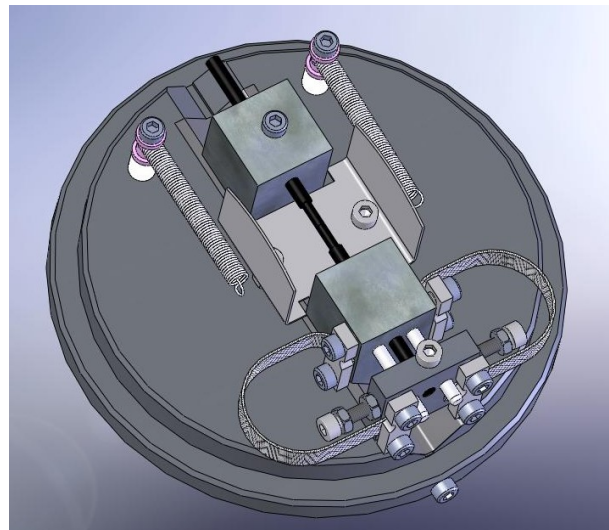
Turn the two silver securing catch knobs to release the installed insert and remove the insert.

Note! If a sputter insert is installed, unplug the connecting lead.

Prepare the carbon rod insert for installation by removing from any packaging, plastic bags etc. Check the 'O' ring in the outer ring of the lid assembly for damage or debris and clean or replace as required. Then place the insert in position in the outer ring of the lid assembly carefully locating the M3 screw head in the rim of the insert in the slot to the right of the outer ring. Lock the insert in position by turning the silver securing catch knobs until their flanges overlap the insert.

Prepare the carbon rods for installation by cutting two 50mm lengths of rod and sharpening one end of each to a 1.4mm spigot using the carbon rod sharpener S8651 for a 3mm rod or S8650 for a 6mm rod.

Note! It is essential that both rods are shaped to the correct profile to minimise the possibility of damage to the instrument due to excessive current being drawn. Use only Quorum rods due to the varying diameter and quality of other manufacturers rods. Rods are available as C5422 for the 3mm rod and C5423 for the 6mm rod.



Install the carbon rods in the insert by inserting in to the fixed and moving terminals on the insert and gently tightening the clamp screws. The fixed rod should be clamped first so the shaped end of the rod is in the middle of the two terminals. The moving rod can be slid along so its shaped end touches the fixed rod and the sliding clamp assembly tensioned by sliding to the right to the full extent of the

dowels against the pull of the springs and tightening the clamp screw to gently trap the carbon rod.

Close the lid assembly on to the glass chamber assembly.

Check the copper terminal contacts on the top of the insert are clean and free from damage, (They must have a flat top face.) and that the contacts in the underside of the top cover assembly are also clean and flat.

Close the top cover assembly and press firmly down to secure the latch.