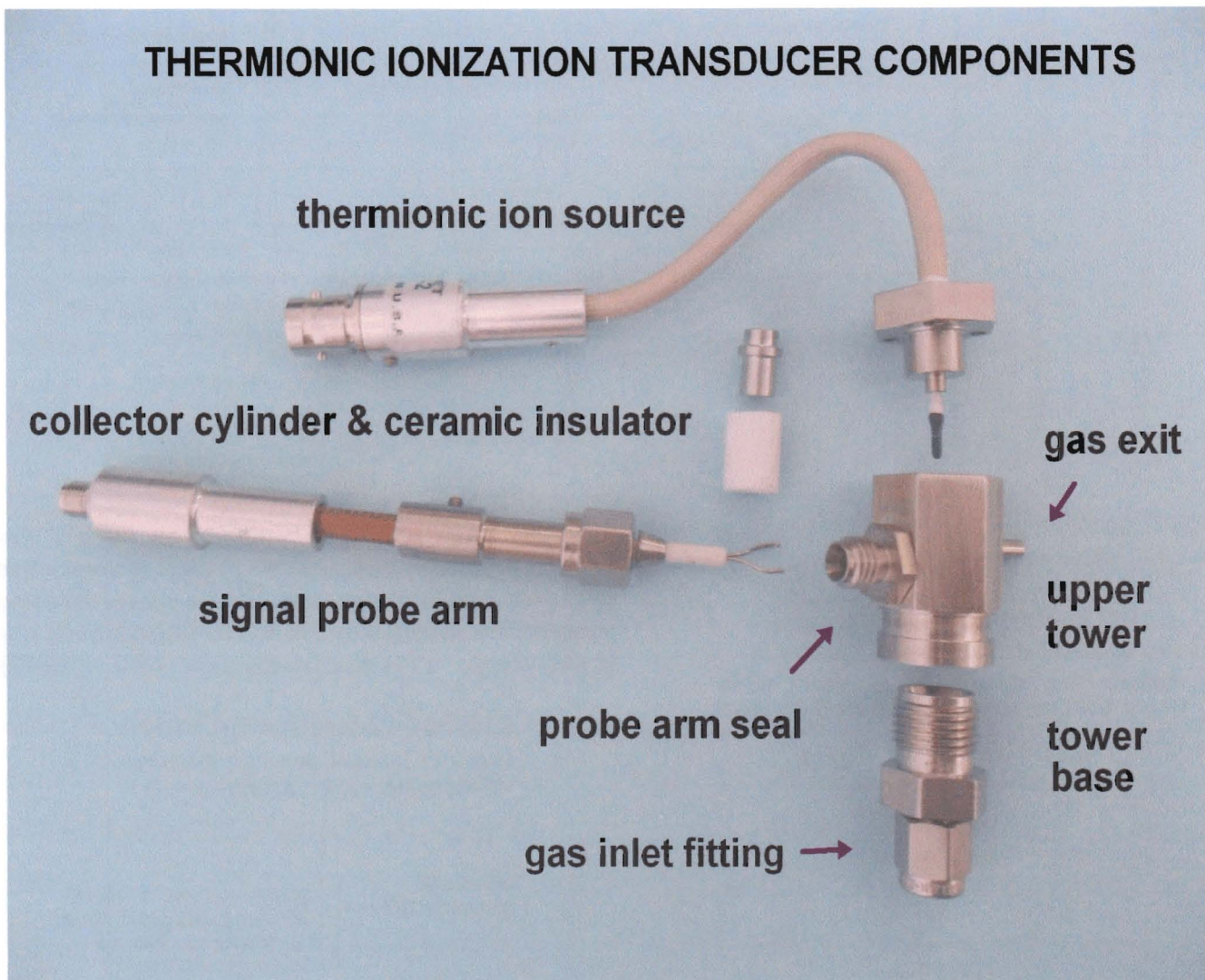


DET Thermionic Detectors & Transducers

a simple design with only a few loose parts for easy, inexpensive maintenance



All DET structures have a common upper tower which contains the collector cylinder and ceramic insulator, a signal probe arm, and the ion source. The tower base can be custom designed to retrofit onto an FID base already existing on a GC, or it can be provided with a choice of Swage or Tube inlet/outlet fittings for use as a stand-alone transducer. In the illustration above, the inlet is a 1/8 inch Swage fitting and the outlet is a 1/8 inch tube. The tower base shown above as a separate part is normally permanently attached to the upper tower. A selection of different ceramic ion source coatings is available for simple changes of the mode of selective detection using the same basic detector structure.