Dynatherm 9300 TDA

The Dynatherm 9300 TDA is the first cryogen-free thermal desorption autosampler on the market able to handle any standard size thermal desorption tube.

Volatiles sampling employing sorbent technology allows sensitive, automated analysis of compounds originating in a wide range of sample matrices. By collecting the organics from a large sample volume and then thermally desorbing them into a GC or GC/MS, parts-per-billion and even parts-per-trillion level analyses are possible. Your choice of sorbent type and tube size helps in the development of techniques specific for a particular type of compound or sample matrix, or desired reporting limit.

Design adaptability means the same technology may be used for the extremely demanding analysis of: Chemical Warfare Agents in air, environmental pollutants using methods TO-1, TO-2 and TO-17, stack emission using VOST samples, Product Emissions Testing in conjunction with micro chambers, environmental chambers, out of shipping containers or directly off the product, and even aroma compounds from foods and packaging.

The new Dynatherm TDA 9300 can be equipped with a variety of sample tube sizes to optimize the process for different applications. Sorbent tubes filled with different sorbent materials, may be analyzed utilizing different desorption times and temperatures for each tube controlled independently. The autosampler is perfect for replacing old Tekmar 6016 units and Nutech VOST units, automating chemical agent monitoring, and implementing product emissions testing in an R&D lab. The addition of Dynamic Headspace stations enhances your lab's analytical flexibility by being able to run numerous types of tubes or do dynamic headspace all on one instrument.

Features:

- An 18-tube autosampler for thermal desorption that connects to any GC or GC/MS system
- Can desorb sorbent tubes from 3" to 7 1/4" long, with ODs of 3mm to 16mm (8mm ends)
- Automated leak checking
- Computer control (wait for ready, remote start, multiple methods, sequence interrupt)
- Cryogen-free focusing
- No special end caps required
- NEW Dynamic Headspace Stations
- Ability to desorb same tube at multiple temperatures