

CONCEPT|NT

NeedlTrap autosampler for gas chromatographic analysis of VOCs

The NeedlTrap (NT) is a needle packed with various sorbents, through which the gas to be analyzed is drawn or pushed. This results in the adsorption or absorption of organic compounds. The bound organic compounds are usually thermally desorbed in the standard injector of a GC and passed to the chromatographic column of the GC for the separation and subsequent detection. The procedure is very similar to the conventional method of thermal desorption on packed tubes. Due to the miniaturization and the modified extraction and desorption kinetics, the NT method is superior to the conventional thermal desorption for many applications.

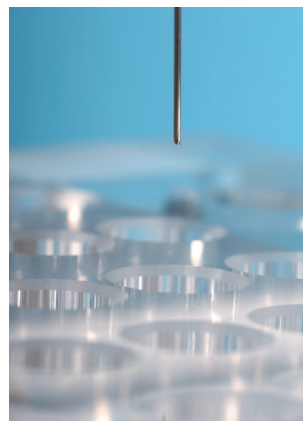
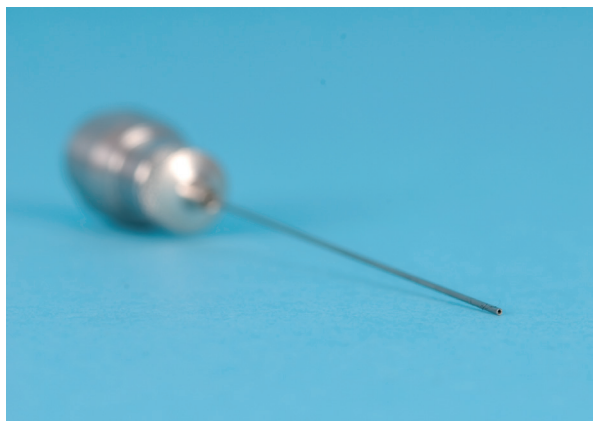


PAS Technology Deutschland GmbH

Richard-Wagner-Strasse 10 · D-99441 Magdala

Fon +49 36454-59933 · Fax +49 36454-59935

e-mail: info@pas-tec.com · www.pas-tec.com



CONCEPT|NT specification

Application:

Automated feeding packed needles (NT) for thermal desorption

- For application in VOC-analysis, e.g.
- Breath gas analysis
- odorant analysis
- immission monitoring

facilities:

- Sample trays for 32 or 48 NT
- magnetic rod for NT holder
- pneumatic gripper
- optional HS- and/or SPME-Kit
- 8 input, 6 output 24 V, 6 output relay to integrate external units
- user-friendly, freely-programmable Windows® software
- adapter and installation kit for all current GC

Communication: RS 232 / PC with Windows XP or higher

Power supply: 100-240 V AC, 24 V DC/2,5 A

Dimensions: L x W x H 520 mm (740 mm, if additional options) x 420 mm x 600 mm