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ISSN 0379 864X Coden CHSED8



Chemical
SENSES

Volume 21

Number 6

December 1996

ECRD AChemS JASTS

TEC
NODOR
®



US Patent 5,457,983
Int'l Patents Pending

Battery-Powered Transportable Unit with Touch Screen
Laboratory Only Model also available

Suprathreshold

Dynamic Dilution Olfactometer
with a Referencing Substance



Ranges from threshold to very high intensity...

TECNODOR is an innovative technology which efficiently and objectively allows human subjects to translate their perceptions and evaluations of surrounding odours!

Odour intensity measurement made through an automated Olfactory Matching Method

Speed-up, Improve and Enhance your Research Activities or Odorous Products Development with TECNODOR®!

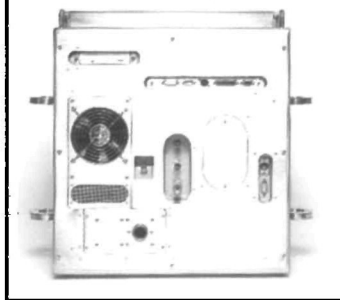
TECNODOR is an extremely fast odour generator which has the possibility to deliver at high flowrate, with high precision, repeatability and reproducibility, a very large continuous range of concentrations of the referencing odour, throughout special inhalation cones

TECNODOR is equipped with a pure air controller which allows the nose to reset itself to zero excitation before every odour test. Very little training is required. Easy panel selection. Can also emulate international odour measurement standards.

Applications

- Evaluation of psychosensory and olfactive capabilities of the human nose
- Organoleptic tests in fragrance and food industries
- Research and development for new products or odorous processes or for the synthesis of new odorous substances or materials
- Elaboration of olfactometric profiles relatively to pure chemicals or mixtures in view of intensity prediction or standards implementation
- Issuing certificates of acceptability of odour levels
- Research of analytical indicators of odour nuisance
- Odour nuisance monitoring and regulation

Rear View



Standard PC Interfaces (Floppy Disk /Mouse/Keyboard/Parallel Port/VGA)
Liquid 1-Butanol Injection Port
Pure Air & Nitrogen Inlet Ports
Power Supply - Other Inlet/Outlet Ports

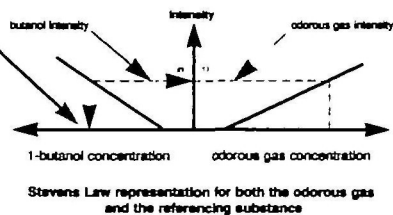
Technical Characteristics

- Fully automated - Embedded 386PC
- High accuracy, precision, repeatability & reproducibility
- Rapidity of measurements
- User-friendly interface
- All operating parameters may be modified by the user
- Small panel required (3 to 4 persons)
- Low operating & maintenance costs
- Stainless steel made

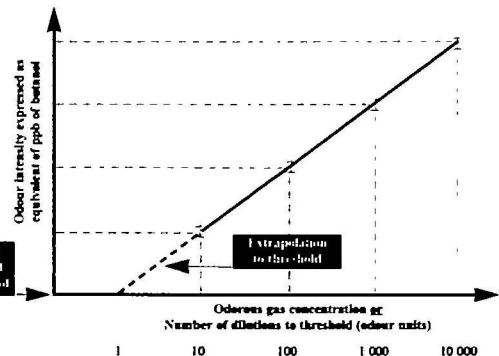
TECNODOR varies automatically the 1-butanol concentration until its intensity is perceived by a human subject as being equal to the intensity of the odorous gas

The intensity is expressed as the equivalent of ppb of 1-butanol.

Olfactory Matching Method



*TECNODOR can also be operated semi-automatically or manually.



Olfactometric profile obtained by diluting an odorous gas, using TECNODOR for measuring the odour intensity.

Also available : TECNOGEN - Multi-Channels Odours Generator & Mixer. For Fast Fragrances Development Using a Building Blocks Method & Working from Liquid Bases

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International Inc.

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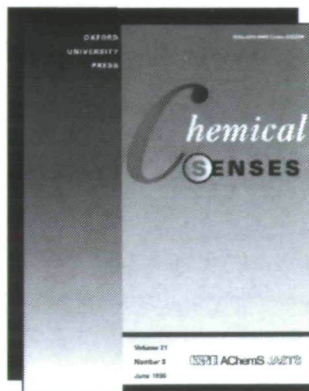
Sue Bell, *Oxford University Press*

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Published bimonthly by Oxford University Press, Oxford, UK, in association with the European Chemoreception Research organization, the Association for Chemoreception Sciences and the Japanese Association for the Study of Taste and Smell

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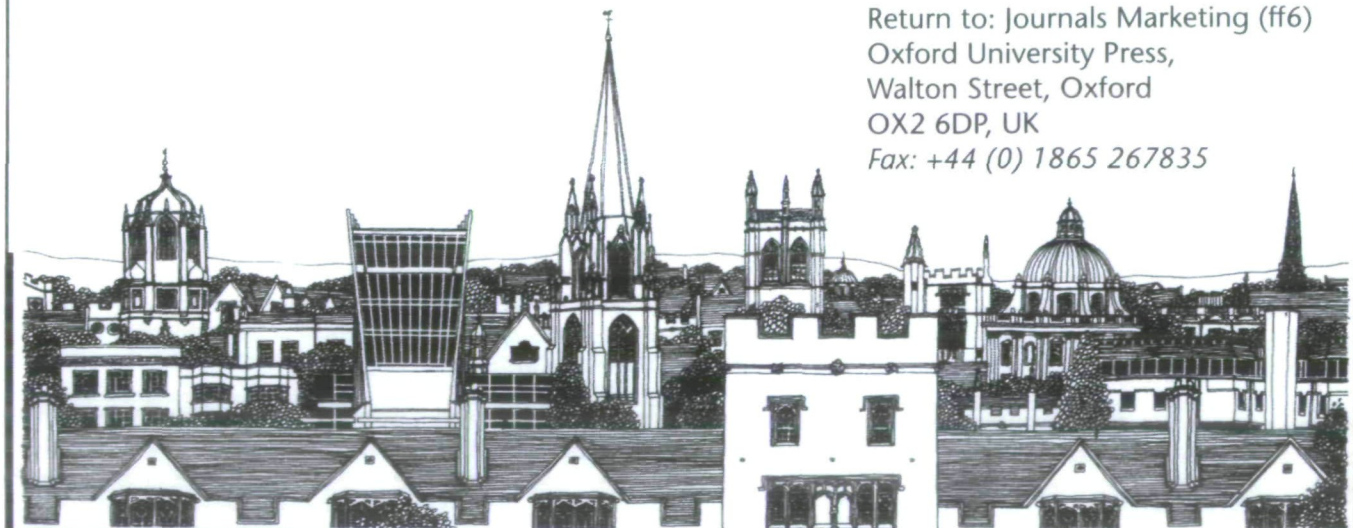
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Chemical Senses (ISSN 0379-864X) is published bimonthly in February, April, June, August, October and December, by Oxford University Press, Oxford, UK. Annual subscription price is US\$295.00. *Chemical Senses* is distributed by M.A.I.L. America, 2323 Randolph Avenue, Avenel, New Jersey 07001, USA. Periodical postage paid at Newark, New Jersey, USA and additional entry points.

US POSTMASTER: send address changes to *Chemical Senses*, c/o M.A.I.L. America, 2323 Randolph Avenue, Avenel, New Jersey 07001, USA.

Typeset by Forewords, Oxford, UK and printed by Information Press Ltd, Oxford, UK on Permanent Paper.

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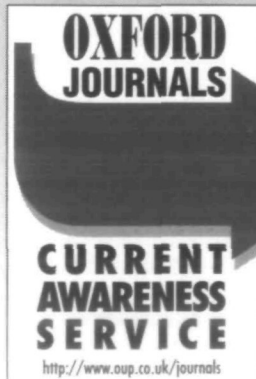
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