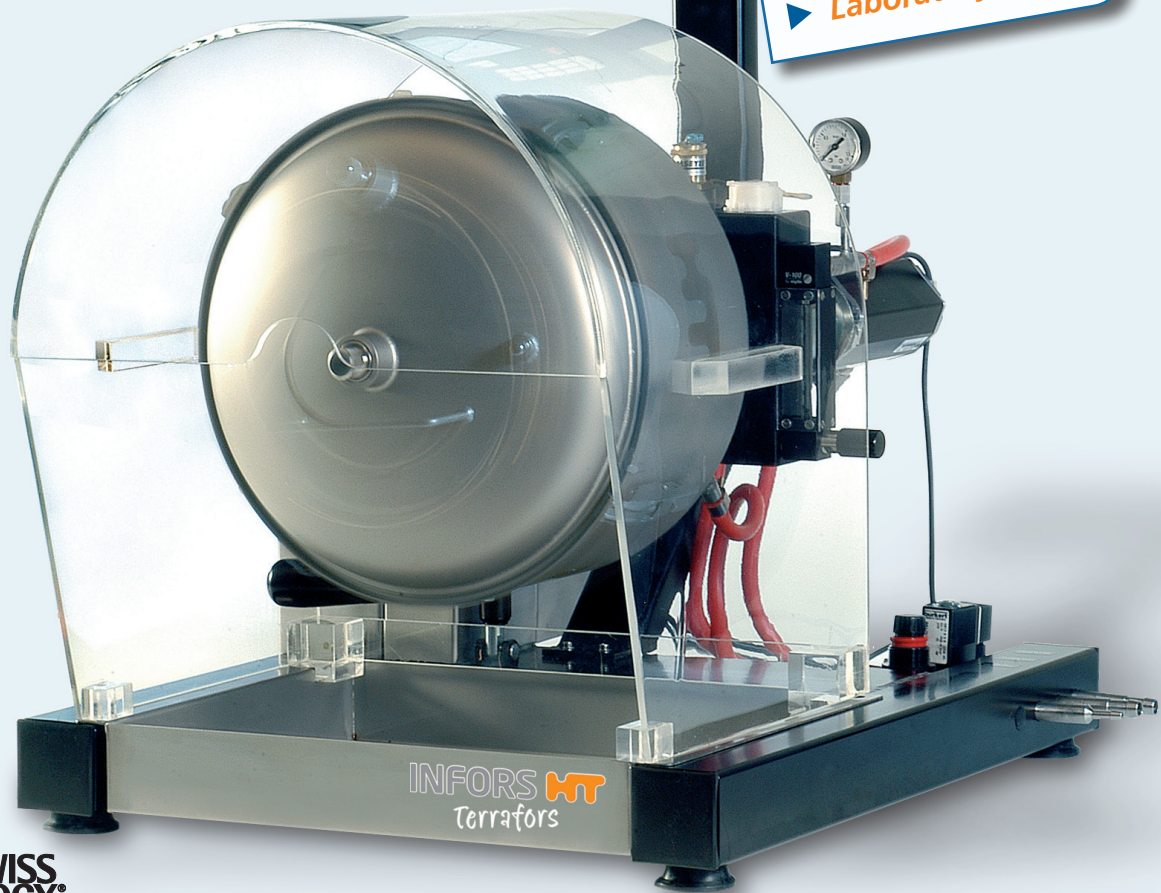


Terrafors

The solid, value-for-money model with refinement



▶ Versatile
▶ Controllable
▶ Proven
▶ Laboratory-scale



www.infors-ht.com

May be subject to technical amendments

INFORS HT

Bringing standardisation to solid state fermentation

► Versatile

Terrafors can be used for a range of applications including soil remediation, agro-waste and even liquids/slurries.

► Controllable

Temperature, mixing and gas flow are catered for, along with measurement of exit gases and data-logging/control by computer.

► Laboratory Scale

Terrafors has a 15L total volume drum and is compact enough to have multiple units on a single laboratory bench.

► Proven

A range of applications have been tested in partnership with MADEP, who have long experience in the field of bioremediation.



Hardware specifications

Reactor Type	Rotating Drum
Volume	15 L
Material	316 L (acid and base resistant)
Aeration	0,04 to 25 NI/min
Aeration regulation	Rotameter & auto.ON/OFF control of inlet/exhaust valve
T° regulation	Water jacket Range approx. 5°C above coolant to 99 °C
Gas diffusion	Steel sparger
Usefull pressure range	Atmospheric up to 0.5 bar overpressure
Agitation	0,1 to 10 rpm, programmable speed, direction & duration
Exhaust gas O ₂	0,1 to 95% Oxygen partial pressure measurement
Exhaust gas CO ₂	0 to 10% Spectrometric absorption method
Automatic Data logging and	Off-line Analysis Data

Field of application

- Biodegradation studies and method development
- Bioremediation studies and method development
- Fundamental and applied soil ecology

Example of potential use

- Anaerobic process dev.
- Treatment of semi, solid or liquid waste
- Soil priming with pollutant degrading microorganisms
- Enzyme production on solid substrates
- Microbial ecology
- Biological or chemical pest control

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