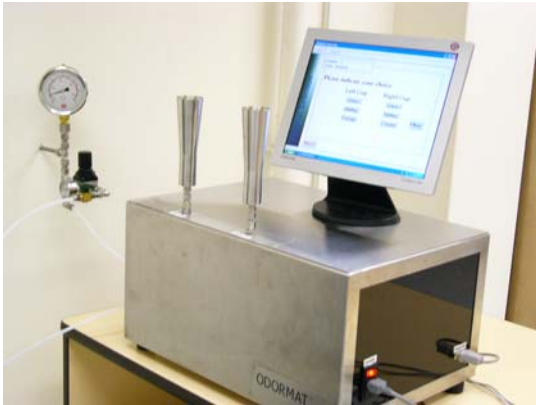


## Odour Sampling and Olfactometry Analysis



Urban development is placing increasing pressures on the siting and control of odours from agricultural, industrial, waste and wastewater treatment facilities. To accurately assess this impact requires the collection and measurement of odours from emission sources.

The UNSW Environmental Emissions and Odour Laboratory is a research and training facility that provides independent technical services for odour sampling of point and area sources and the measurement of odours, odorants and volatile emissions. The laboratory is equipped with range of analytical systems that include dilution olfactometry, gas chromatography - mass spectrometry and will shortly have new gas chromatography - mass spectrometry coupled with an olfactory port for determine annoyance odorants.

Odour concentration measurements are made following the protocol describe in the "Australian and New Zealand Standard: Air Quality – Determination of Odour Concentration by Dynamic Olfactometry" (AS/NZS 423.3:2001).

Our odour measurement services provide:

- ✓ Field sampling of area and point sources
- ✓ An odour-free testing environment
- ✓ A state-of-art computerized dynamic olfactometer - Odormat™
- ✓ Regular calibration
- ✓ Trained and strictly screened odour panellists (assessors)