

ASTREE Electronic Tongue is a liquid & taste analyzer that uses a 16 or 48 position autosampler. The detection system consist of 7 liquid sensors and a reference electrode.

### System features

- 1 **Liquid Autosampler** with a carroussel capacity: 16 beakers (80 mL) or 48 beakers (20mL), a programmable sample agitation, a robotic sensor head and individual connections for each sensor
- 2 **Astree Electrochemical Sensor Array** including one reference electrode (Ag/AgCl) and 7 liquid cross selective sensors with 2 specific sets (Food & Beverage or Pharmaceutical industries)
- 3 **Astree Electronic Tongue Unit** with sensor board (1 to 28 channels available), acquisition board (acquisition frequency 10 Hz), main board for data acquisition and power supply card (110-120 VAC, 220-240 VAC)
  - External Input / output: RS232 connections
  - Electronic Unit Dimensions (L x W x H): 26 x 30 x 100 cm - 66 x 76 x 254 inches
  - Electronic Unit Weight: 25 kg
- 4 **Astree Software** with autosampler and acquisition control, a complete multivariate statistics package (PCA, DFA, SIMCA, PLS) and various maintenance tools as automatic system diagnostic & sensor diagnostic
  - Analysis features:
    - Environmental Conditions: operating temperature constant +/- 3°C
    - Fast Analysis Time: 200s including sensor acquisition (120s) and rinsing time (10s)
    - Precision: RSD ≤ 3%
    - Sensitivity and Accuracy: sensors sensitive and partially selective to chemical species (ionic and neutral)



### Service features

- Consumable Packages included: start-up kit (beakers, diagnostic solutions), calibration solutions, complete maintenance kit (electrolyte, rinsing & diagnostic solutions, spare sensor set), accessory kit