



ESS UltraTrace PPT

Data Sheet & Options

Mass Range	1-200 amu standard
Sample Pressure	Atmospheric (1000mbar) nominal pressure (750-1500mbar)
Ion Source Type	High Sensitivity high pressure enclosed ion source
Number of Inlets	10 as standard
Inlet Types	Thermal Desorber into capillary / membrane arrangement
Response Times	Typically 2-3mins gives 100ppt detection limit for VOC's
Gas Consumption	Dependent on pre-concentrated volume
Maximum operating temperature	37deg C, 80% RH (non condensing) (Vacuum system and Electronics)
Thermal Desorber Type	Cryogen free, Peltier cooled
Thermal Desorber Carrier Gas	Nitrogen 5.0 or higher
Vacuum system	Oil free system with 80l/s turbomolecular pump and 1.8M ³ dry
Mains Voltage	90-250V
Power Consumption	400W typical
PC Interface	Ethernet Connection
Computer	Control Laptop preloaded with full operating software
Dimensions	5ft Rack mounted system with removable EcoSys
Interfacing to SCADA systems	Via analogue outputs or by direct data transfer

Options

Mass Range	1-300 amu option
Number of Inlets	Up to 70, in multiples of 10