



WESTMINSTER
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Excellence through Service
Protecting your world



fire



safety



security



defence

WG4200 Vapour Tracer & Analyser

The WG 4200 Vapour Tracer & Analyser will detect Explosives, Biological & Chemical Traces and Narcotics.

The WG 4200 Vapour Tracer & Analyse is the only Portable Real-Time Ultra-Fast Analyser on the market that can sniff-out, detect and analyse all types of vapour and identify traces of organic, biological & chemical compounds accurately and rapidly.



Applications

- ▶ Airports;
- ▶ Border crossings;
- ▶ Commercial buildings;
- ▶ Courthouses;
- ▶ Embassies;
- ▶ Government buildings;
- ▶ Military installations;
- ▶ Prisons;
- ▶ Seaports;
- ▶ Security checkpoints.

The WG 4200 Vapour Tracer & Analyser comes complete with a Notebook Controller configured and integrated with the following:

- ▶ Micro Sense proprietary software provides Vapour prints in 2D high-resolution visual factory images; can be used as a pattern recognition method for continuous product monitoring;
- ▶ M/S Windows, Winzip and SangIt PC Anywhere: with Internet connectivity provides easy customer support;
- ▶ GPS compatible for linking location data with chemical data;
- ▶ Chromatograms;
- ▶ Alarm displays;
- ▶ Automatic alarm sensing;

WI Code: 10785

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The Association of
Police and Public
Security Suppliers



The Defence
Manufacturers
Association



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- ▶ System control.

Included Accessories:

- ▶ Performance evaluation kit;
- ▶ User's small tool kit;
- ▶ Filling assembly.

Additional Accessories Available

- ▶ Model 3100 Desorber;
- ▶ Model 3200 Dual zone heater for 6 40ml vials;
- ▶ Shipping case;
- ▶ Perfume: Stock solution of alkanes.

Specifications

Sensitivity

- ▶ Can analyse vapours in 10 seconds with sensitivity in parts per billion for most compounds;
- ▶ Detects hydrocarbons in the range of C4 – C25. Sensitivity will vary by compound;
- ▶ Sampling time, matrix, interferences and detector temperature settings.

Detector

- ▶ Surface acoustic wave (SAW) – Quartz microbalance;
- ▶ Temperature: 0 °C - 125 °C, programmable.

Sampling

- ▶ Internal Sample Pump;
- ▶ Sample Introduction: ~.5 ml/sec;
- ▶ Time programmable from 1 – 300 seconds;
- ▶ Sample absorbed into internal tenax pre-concentrator.

Column Heater Range

- ▶ Isothermal operation: 40 °C to 180 °C or 5 °C above ambient (whichever is higher);
- ▶ Column ramping: Isothermal or ramped from 1 - 18°C / second.

Carrier Gas

- ▶ Helium: Typical usage is 300 tests per day on one helium charge.

Analysis Time

- ▶ 10 – 60 seconds.

Precision and Accuracy

- ▶ Standard deviation <2%.

Compound Identification

- ▶ Library of Kovat's Indices.

Inlet

- ▶ Stainless steel luer inlet port;
- ▶ Temperature: Programmable, 50°C to 200°C.

External Input/Output

- ▶ Remote start input;
- ▶ Digital output information.

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Dimensions & Weight

- ▶ Chassis: 20 lbs (9.1kg);
- ▶ Depth: 12 in (30cm);
- ▶ Width: 10 in (25cm);
- ▶ Height: 6 in (15cm).

Power

- ▶ 100 – 260 VAC at 250 watts maximum;
- ▶ 50 watts typical.

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