

DrugScanner

The fast and accurate trace drug detection and identification system



DETECTION & SECURITY SOLUTIONS

Key Advantages:

- › Accurate results – low false alarm rates in the field
- › High sensitivity – nanogram detection
- › Fast response – typically 30 seconds from sample to answer

Major Benefits:

- › Confidence in results – **DrugScanner** does not give false positives to traditional trace tester interferents (artificial sweeteners, anti-acid tablets)
- › Time saving – on the spot results
- › Reliable – does not suffer from overload contamination problems
- › Easy to operate and to interpret data – training can be done in 10 minutes
- › Flexible – can analyse trace or bulk quantities
- › Convenient – raw data and results are stored under a unique ID reference and results can be printed directly from the machine
- › Versatile – the same machine can also be used for assessing employees and other individuals for personal drug abuse

DrugScanner by Biosensor is a multi-application system for both trace drug detection and personal drug abuse screening.

Who it would help

Police (search teams, custody personnel, traffic division etc.), prison officers, medical staff and anyone involved in the analysis of suspect powders found during operations.

As **DrugScanner** can also be used for personal drug abuse screening, professionals involved in this area, including those in Drug Rehabilitation Clinics, Probation Service etc. can benefit from **DrugScanner**.

Technology Used

DrugScanner is based on proven immuno-assay technology as used in urine dipstick testing combined with QCM (Quartz Crystal Microbalance). The unit analyses samples that have been taken by simply wiping a non-abrasive swab across surfaces where trace drug contamination is suspected.

Substances Detected

Cannabis, Cocaine, Heroin/Opiates, Meth-amphetamine, Amphetamine, MDMA (Ecstasy), MDA, MDEA, Diazepam, Flunitrazepam, Temazepam, Alprazolam, Nordiazepam.

DrugScanner

DrugScanner is the marketing name in the UK for the BIOSENS® Drugs and Explosives Tester developed by Biosensor AB of Sweden. Over €30m have been spent on the development and validation of the sensing technology utilised by **DrugScanner** – Quartz Crystal Microbalance Immuno-Assay technology.

Since Immuno-Assay (antibody) technology targets the actual material rather than inferring its presence by means of a physical property, such as the charge to mass ratio (the technique used by ion mobility spectrometry systems),

the selectivity achieved by the **DrugScanner** system is extremely high, resulting in a far lower false alarm rate in practical applications – a fact verified in field trials.

Following extensive evaluation in numerous trials around the world, **DrugScanner** units are now actively employed by a range of end users including prisons, customs, police forces and other groups involved in countering the threat of drugs.

References are available on request.

