BRUKER · CBRNE DETECTORS · CHEMICAL DETECTOR

E2M Mobile Environmental Mass Spectrometer (GC/MS)

E2M is a mobile, compact and rugged quadrupole GC/MS system for fast and reliable on-site identification of chemicals. It identifies organic chemicals in soil, water and air and covers all threat-relevant Novichoks. It weighs 37 kg and can also operate on the move when mounted in a vehicle.

01 Identifies organic chemicals in soil, water and air

02 Detection limits from low ppb to low ppm

03 Operates on the move in a vehicle

04 Designed for first responders and security teams

Technical data

BRAND	Bruker
MODEL	E2M Mobile Environmental Mass Spectrometer (GC/MS)
DETECTED THREATS	Chemical warfare agents (CWA) · Toxic industrial chemicals (TIC) · Narcotics
DEPLOYMENT	Portable · Vehicle / ship mounted
DETECTION TECHNOLOGY	Quadrupole GC/MS with membrane inlet
SAMPLING	Air/surface probe; adsorbent tubes (e.g. Tenax); SPME fibres
RESPONSE / RESULT TIME	A few seconds for air pollutants; 20 minutes for full separation and identification
SENSITIVITY	Low ppb to low ppm range, depending on the analytical procedure
SUBSTANCE LIBRARIES	NIST spectra library, Bruker TICLib (toxic industrial compounds) or customer-specific libraries; fully automated data evaluation
DATA INTERFACE	Ethernet-100
WEIGHT	37 kg
DIMENSIONS	43 litres volume
MAINTENANCE AND CALIBRATION	Minimal service requirements
RUGGEDNESS	Fully ruggedised for mobile and on-site use

APPLICATIONS	Detecting PAHs and PCBs in soil; identifying drugs at the crime scene; first responders and security teams