

Portable Test Bench

CBRNegetics Ltd



Sensitivity Checking for AP2C, AP2C-V and ADLIF



The portable test bench is a gas generator intended to check the AP2C, AP2C-V and ADLIF sensitivity. It includes a notebook with a software to visualize and adjust the detector parameters.

Packaging

It is packaged in a case, which allows its use in workshop and in situ (aboard ships for example). It operates with free air, a phosphine cylinder (PH₃) and a sulfur dioxide cylinder (SO₂), used for organophosphorus (G, Vx) and organosulfur (HD) simulation.

It is fitted with a diffuser joined with the bench by a flexible hose. The diffuser is used on the case for the AP2C checking, or remote to check AP2C-V or ADLIF if located on a vehicle or on a ship.

The bench is supplied with

- 1 interface drawer (ref.: 09212) for connection to an AP2C,
- 1 detector connecting cable (ref.: 09213) for connection to an AP2C-V,
- 1 adaptation plug (ref.: 09208) for connection to an ADLIF,
- 1 power grid cable for connection equally well on 110 Vac or 220 Vac

Principle

The air required to dilute SO₂ and PH₃ gas is taken directly from the surrounding air and is fed to the diffuser by a vane pump. The air filter eliminates all traces of dusts and water vapor. A mass flow meter measures the actual air flow to allow the SO₂ and PH₃ flows to be set.

Two mass flow meters check the SO₂ and PH₃ flows, before reaching the mixer, which mixes the gas and air required to simulate toxic agent for the devices calibration.

Concentrations of generated gases

- SO₂: 310 and 840 5g/m³
- PH₃: 8 and 38 5g/m³

The bench can be joined to a Portable Terminal (TP) or to a PC type microcomputer in order to visualize the different detectors internal parameters and to calibrate them.

Characteristics

- Weight: 20 kg
- External Size (LxWxH): 550 mm x 420 mm x 320 mm / 21.65 " x 16.53 " x 12.59 "
- Supply voltage: 100 to 240 Vac 50/60 Hz
- Operating temperature: +10°C to +40°C / +50°F to +104°F
- Storage temperature: +0°C to +50°C / +32°F to +122°F