

AWE - PW Portable volatile organic compounds analyzer

Application

Portable analyzers of AWE - P series, have been designed for control measurement of OWO content (total organic carbon) in gases containing high content of water vapour. Main application of the system is the indication of the content of organic substances which are expressed as total organic carbon in waste gases of refuse incineration plants. The occurrence of inorganic pollution in gas tested e.g. carbon monoxide and carbon dioxide, water vapour, nitrogen monoxides or sulphur dioxide does not affect the accuracy of results. The analyzer measures the current value of concentration of organic compounds while working constantly. Subsequently, the value is saved. To read saved data, it is necessary to disconnect the saving module from the analyzer and connect it to USB socket of a computer.



This solution is very convenient for the user because it neither requires to bring the whole analyzer to a laboratory for data reading nor additional readers. The equipment of the analyzer is composed of the program that reads and makes easier the analysis of saved results. Constant cooperation between the analyzer and the PC or the laptop is possible that composes the equipment of analyzer.

The installed detector corresponds with requirements of **PN-EN 12619** and **PN-EN 13526** standard, it means that the method of measurement is a reference method under the Regulation of the Minister for the Environment dated 23 December 2004.

Technical data

- Measuring range
 - Execution according to **PN-EN 12619** - 0 - 100,0 mg/m³
 - Execution according to **PN-EN 13526** - 0 - 2000,0 mg/m³
 - or the agreed
- Detection limit 0,3 mg/ m³
- Response time below 45 sec.

- Minimal consumption of the gas analyzed 50 dm³/h.
- Maximal content H₂O 0,3 kg/m³
- Deviation from linearity below 0,4 %
- Storage capacity 200 000 measurements
- Dimensions 530 x 190 x 320 mm
- Weight 10 kg
- Power supply 230 V 50 Hz
- Power consumption ca.800 VA
- Working temperature 0 - 40°C
- Relative humidity below 90%
- Working position horizontal

