

SOIL FLUX CO₂

Portable Soil flux device is ideal for simultaneous measurements of Flux CO₂, O₂, CH₄, Rn, H₂, H₂S, SO₂, Hydrocarbons, VOC, etc over a wide dynamic range. It is suitable for measurements in the fields, forests, landfills and other areas. The device is connected to tablet via Bluetooth.

Principles

Various gas sensors measure the gas concentration inside the measuring head. Software calculates the flux directly on site. Accurate GPS module determines the exact location of the measurement.

Applications:

- 🌿 Flux CO₂ from soil;
- 🌿 Gas presence on school / kindergarten playgrounds;
- 🌿 Carbon fingerprint and greenhouse gases;
- 🌿 After fire activity of ground;
- 🌿 Agronomy;
- 🌿 Search for uranium mines, construction material testing.

Advantages

- 🌿 Portable, compact and lightweight;
- 🌿 Map location (inbuilt GPS module);
- 🌿 Up of 5 different gas sensors with different ranges;
- 🌿 Operation via tablet, mobile phone or PC.

Technical specifications

- 🌿 Dimensions - Device: 500 x 350 x 200 mm, Weight: 7,5 kg;
- 🌿 Dimensions - Measuring head: 390 x 200 x 200 mm, Weight: 3 kg;
- 🌿 Operating conditions: 5-40 °C < 90% RH, non - condensing;
- 🌿 Storage conditions: -20-40 °C < 90% RH, non - condensing;
- 🌿 Power supply: Li-ion battery 90-264 VAC, 47-69 Hz;
- 🌿 Tablet: Bluetooth, GPS, Windows platform.

Gas sensors ranges

- 🌿 Sensor O₂: Range 0-25%, Accuracy: 2%;
- 🌿 Sensor CO₂: Range 0-5000ppm, Accuracy: 2%;
- 🌿 Sensor CH₄: Range 0-5%, Accuracy: 2%;
- 🌿 Sensor H₂: Range: 0-1000 ppm / 0-10000ppm, Accuracy 5%;
- 🌿 Sensor Rn: Range: 0-10 MBq / m³ (EEC);
- 🌿 Other sensors on request.

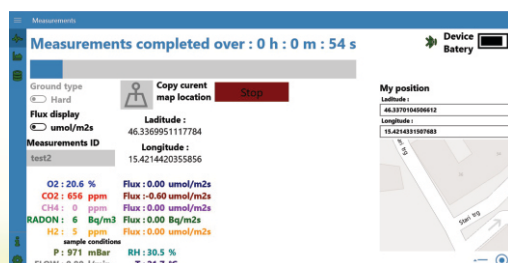


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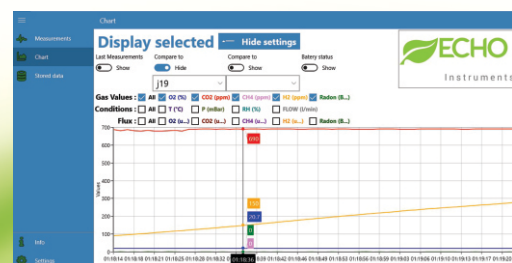
Measuring head



Soil Flux measurements



Measuring screen



Measurement chart