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

![Soil Flux CO₂ Measuring head](image1)

![Soil Flux CO₂ Measuring screen](image2)

![Soil Flux CO₂ Measurement chart](image3)