

Soil Nutrient Tester

Features:

- * Microcomputer control, digital circuit, programming design, LCD, AC and DC dual-purpose
- * Resolution: 0.001, touch key, built-in high-grade thermal printer, printing test results.
- * It can detect the contents of various elements such as chemical fertilizer, organic fertilizer (including foliar fertilizer, water-soluble fertilizer, spraying fertilizer, etc.), available nitrogen, available phosphorus, available potassium, total nitrogen, total phosphorus, total potassium, organic matter, pH, calcium, magnesium, sulfur, iron, manganese, boron, zinc, copper, chlorine, silicon, and various heavy metals such as lead, chromium, cadmium, mercury, arsenic, etc.
- * Stable light source, good reproducibility and high accuracy.
- * Water quality test: pH, calcium, magnesium, sulfur, iron, manganese, boron, zinc, copper, chlorine, silicon, etc.
- * The test results can be transmitted to the computer in real time for long-term storage and data analysis.



Technical Parameter:

Model	BK-Y6AG
Function	Simultaneous extraction and determination of three nutrients of quick effect n, P and K in soil at one time, and scientific recommendation of fertilization amount
Range and Resolution	0.001-9999
Repeatability Error	≤ 0.05% (0.001, potassium dichromate solution)
Stability	Drift less than 0.1% (0.001, transmittance measurement) within 30 minutes.
Linear Error	≤ 0.2% (0.002, copper sulfate detection)
Sensitivity	Red light ≥ 4.5 × 10 ⁻⁵ , Blue light ≥ 3.17 × 10 ⁻³ , Green light ≥ 2.35 × 10 ⁻³ , Orange light ≥ 2.13 × 10 ⁻³
Wavelength Range	Red: 680 ± 2nm; blue: 420 ± 2nm; green: 510 ± 2nm; Orange: 590 ± 4nm
PH Value (PH)	Test range: 1~14; Accuracy: 0.01 (3) error: ± 0.1 (Extended)
Salt Content (conductivity)	Test range: 0.01%~1.00%; Relative error: ±5% (Extended)
Soil Moisture	Moisture unit: % (g/100g); Moisture content test range: 0-100%; Error less than 0.5%
Test Speed	Test one soil sample (n, P, K) ≤ 30 minutes (including pretreatment time); Simultaneously measure 8 soil samples ≤ 1 hour (including pretreatment time)
Data Printing	Built in high-grade one button thermal printer
Power Supply	AC 220 ± 22V, 50/60Hz (Built-in lithium battery of the instrument can be used)
Package Size(L*W*H) mm	550*250*370+550*410*290
Gross Weight (kg)	13.6

Portable Soil Heavy Metal Analyzer



Features:

- * It can analyze 34 kinds of standard elements of K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Rb, Sr, Y, Zr, Nb, Mo, Ag, Cd, Sn, Sb, W, Re, Pd, Au, Hg, Pb, Bi, Cs, Ba, Th, U.
- * Small size, light weight, easy to carry, can be directly brought to the field for detection.
- * Can analyze various types of soil, field soil, sand, sludge, solid waste, soil, mud, etc.
- * High-speed processing chip, advanced algorithms and efficient software to make the instrument analysis faster.
- * Can analyze the soil directly without sample, the whole process only needs 80s.
- * Industrial resistance touch screen, compared to the capacitive screen has a better backlight performance, in the field of light is still clearly visible, while the field of special environment to avoid the risk of glove removal.
- * It works at -20°C to 50 °C, when the temperature humidity is beyond the scope of application, will automatically alarm.
- * Can be combined with the built-in GPS.

Technical Parameter:

Model	SHMA-B
Excitation Source	New integrated miniature X-ray tube, 6-50KV pressure/0-200uA tube flow with free adjustment, Ag target(standard)
Probe	With high sensitivity silicon drift detector, accuracy:<125 eV
Range	All element from Mg to U
Data	Built-in 32G memory for storing 300K spectral data and spectra.
Heat Dissipation	With a dedicated T-slot heat sink to improve the heat dissipation of the instrument without waiting for the detector to cool frequently
Safety	The package with Waterproof, dust-proof and shockproof
Supply Power	Battery: 7.2V lithium battery Power Adapter:100~240V 50/60Hz
External Size(L*W*H) mm	254*79*280
Net weight (kg)	1.6Kg (with battery)
Package Size(L*W*H) mm	400*130*360
Gross Weight (kg)	3