

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 Parameters:

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

Portable Soil Tensiometer



Introduction:

Soil tensiometer is made up of pressure gauge, acrylic tube and ceramic probe, after the acrylic tube filled with water, ceramic probe gets wet and it can prevent outside air into the ceramic probe. When there is pressure difference between measured soil water potential and tensiometer, the water in tensiometer will infiltrate into the measured soil until the balance reached. So at that moment, the value shown on the pressure gauge is the measured soil water potential.

Technical Parameters:

Model	Length(mm)	Testing Range	Package Size(L*W*H)mm	Gross weight(kg)
BST-15	150	0~1 Bar (1 Bar = 100 Kpa)	370*225*80	0.5
BST-30	300		440*150*100	1.0
BST-45	450		600*150*70	1.0
BST-60	600		700*150*70	1.2
BST-90	900		1000*210*100	1.5
BST-120	1200		1335*210*100	1.5

* Length can be made as customized. (Standard length is the length of transparent polycarbonate tube in the middle of tension meter tube)