



SOIL (FERTILIZER) NUTRIENT TESTER

AST-6ATPY-6PC、7PC

Model Comparison

Model	functional difference
AST-6A	In addition to testing N, P, K, acidity, alkalinity, organic matter, salt content function, but also can output fertilization guidance formula, for the guidance of agricultural production to bring convenience, with host storage function, printing function, AC and DC dual-use, can be in the field directly out of the results, directly to the land site soil testing and according to the needs of the formula.
AST-6PC	With all the functions of AST-6A, it can be connected to a computer to distribute fertilizers and print out the formulated fertilizer table.
AST-7PC	In addition to all the functions of AST-6A, a soil moisture sensor can be added, seven parameters can be detected at the same time, and can be connected to a computer through the computer to allocate fertilizer and print out the formula of fertilizer table, an instrument with multiple functions.

Technical Parameter

Soil Nutrient technical parameter	
Stability	Absorbency of light drift < 0.003
Repeatability	Absorbency of light < 0.005
Linearity errors	< 3.0%
Sensitivity	Red light $\geq 4.5 \times 10^{-5}$; Blue light $\geq 3.17 \times 10^{-3}$
Wavelength range	Red light $620 \pm 5 \text{nm}$; Blue light $440 \pm 5 \text{nm}$; Green light $520 \pm 5 \text{nm}$
Anti-Knocking performance	Qualified
pH technical parameter	
Testing range	0-14
Error	± 0.1
Salinity technical parameter	
Testing range	0-23ms/cm
Error	< 2%FS
Technical parameters for soil moisture measurement (Only 7PCHas)	
Measurement parameter	Soil moisture volume percentage content (W%)
Accuracy	$\pm 2\%$
Moisture Content Rate	0-100%



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