

DW-8000 Handheld XRF Gold Analyzer

The DW series analyzers are configured with powerful miniature X-ray tubes, Si-PIN detectors or highly advanced silicon drift detectors (SDDs), specialized filters, and multibeam optimization for the ultimate in XRF field analysis. The actual overall value of the DRAWELL analyzer is embodied in the following: it can make correct decisions in real-time without relying on laboratory tests far away from the detection environment.



Application



Specifications

Weight	Device: 1.50kg, 1.65kg with battery.
Dimension	250mm x 75mm x 270mm (L*W*H)
Excitation source	High-power high-performance X-ray microtube
Target materials	Five target materials of X-ray tube available:gold (Au), silver (Ag), tungsten (W), tantalum (Ta) and palladium (Pd)
Voltage	35kV-50kV voltage (changeable)
Filter	A variety of selectable filters, automatically adjusted according to different tested objects
Detector	High-resolution Si-Pin detector
Detector refrigeration temperature	Peltier effect semiconductor refrigeration system
Standard film	External 316 standard film/window protection cover (Optional built-in standard film, plus version)
Power supply	1 lithium battery (7.2V\6600mAh)
Processor	High-performance ARM pulse processor
Data processing	32G large-capacity data storage card: ≥80,000 sets of data and spectrograms;
Display screen	High-resolution TFT industrial-grade colored high-definition touch screen, it is ergonomic, sturdy, dust-proof, and waterproof, clearly visible under any light conditions
Outline design	The integrated designed body is sturdy, waterproof, dustproof,antifreeze, shockproof, and can be used normally in harsh environments.
Safe operation	"One key" detection, auto-lock, detection auto-stop functions. The X-ray will automatically be turned off if there is no sample in front of the detection window for 2 seconds. 3/2 of the shell of the device is covered with a 6061 aluminum alloy frame design, with better X-ray blockage.
Detection Report	Customized detection report available as per the customers' demands
Element analysis	Au, Pt, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Hf, Ta, W, Pb, Bi, Zr, Nb, Mo, Cd, Sn, Sb, Re, In, Ag,Pd, Ru, Rh, Ir, etc.