# HTek x-ray

# **EDXH500**

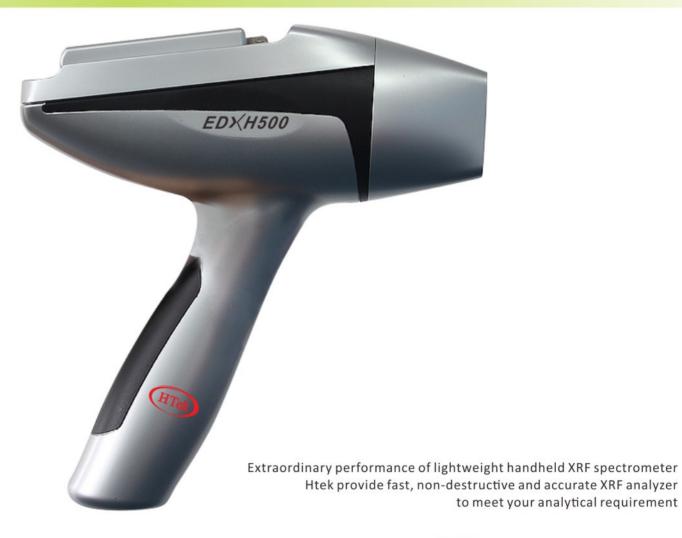
EDXRF SPECTROMETER
Metal and Alloy Analyzer



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## **EDXH500**

### Handheld X-ray fluorescence spectrometer



### Product Features

- Compact design makes it perfect for field non-destructive analysis
- Migh resolution build-in camera provides point to point test function
- ▶ Large memory SD card
- Standard Fp calibration optimize the best accuracy
- User friendly software interface. Extremely easy to use
- Fast analysis. 1 second for qualitative analysis, 10 seconds for quantitative results.
- No sample preparation needed before measurement
- X-ray protection design. X-ray auto shut down at accident
- Migh intelligence software can auto identify sample material
- Optimized hardware configurations proves the highest stability and accuracy.

### **Technical Parameters**

Alloy application mainly includes the metal base: Iron base alloy, Titanium base alloy, Nickle base alloy, Copper base alloy, Zink base alloy, Tungsten base alloy, Zirconium base alloy, Tin base alloy, Aluminum base alloy, Cobalt base alloy and etc.,

Element Range	Mg-U
Multi-Elements analysis	More than 20 metals can be analyzed simultaneously
CPU And memory	CPU 667MHz, memory 256M, 2G
Content Range	2ppm-99.99%
Measuring Time	3–60 seconds
Battery Working time	7800mAH Li battery works continuously more than 8 hours
Sample Type	solids, powders and liquids
Detector	25mm2 SDD detector
Resolution	129 ± 5ev
X-Ray Source	50KV/100uA silver target beryllium window x-ray tube
Collimator And filter	2mm,3mm,4mm collimators and 6 different filters. 18 different combinations in total.
Camera	High resolution sample camera
Sample Test window size	12mm
Helium Purge kit	Helium purge gas system for light metal analysis
Data Analysis	DMCA module, SPI data transmission.
Operation Humidity	<70%
Operation Temperature	−10−45° C
Instrument Size	284mm*387mm*45mm
Weight	1.8kg with battery included