

## HANDHELD XRF ALLOY ANALYZERS (ADVANCED TYPE)

CAN BE CUSTOMIZED

DATA OUTPUT

- Widely used in alloy identification, metal scrap recycling, and quality assurance/control processes within the metal manufacturing industry
- Analyzable alloy series: aluminum-based Alloys, cobalt-based alloys, titanium-based alloys, molybdenum/tungsten alloys, nickel-based alloys, copper-based alloys, iron-based alloys (stainless steels, chromium/molybdenum alloys, low alloy steels, tool steels, seamless steels)
- High accuracy, fast measurement speed, and intuitive display of alloy grades, element percentages (with up to 0.001% resolution), and ppm-level concentrations
- The analysis cycle is completed in seconds with one-touch operation
- Non-Destructive Testing (NDT), which ensures no damage to the sample during the testing process
- No sample preparation is required; direct measurement can be performed on the sample surface
- Built-in 380 alloy grades, expandable with 2 user-defined grade libraries



HSM-S110



316 reference sample (included)



window protective film (included)

### SPECIFICATION

| Code                     | HSM-S110   | HSM-S130                           | HSM-S150                | HSM-S620       | HSM-S640                           | HSM-S650                |
|--------------------------|--|------------------------------------|-------------------------|----------------|------------------------------------|-------------------------|
| Analysis mode*           | alloy analysis   | alloy analysis<br>plating analysis | precious metal analysis | alloy analysis | alloy analysis<br>plating analysis | precious metal analysis |
| Detector                 | Si-PIN   |                                    |                         | SDD            |                                    |                         |
| Elemental analysis range | Ti~U   |                                    |                         | Mg~U           |                                    |                         |
| Target material          | Ag target  |                                    |                         | Rh target      |                                    |                         |
| Excitation source        | 50kV/200µA Max   |                                    |                         |                |                                    |                         |
| Heat dissipation         | dedicated T-slot heat sink enhances thermal dissipation performance of the instrument  |                                    |                         |                |                                    |                         |
| Display                  | 4.3-inch industrial-grade resistive touchscreen  |                                    |                         |                |                                    |                         |
| Operation system         | Android  |                                    |                         |                |                                    |                         |
| Safety                   | air-test protection against untargeted operation                                       |                                    |                         |                |                                    |                         |
| Memory module            | 32G  |                                    |                         |                |                                    |                         |
| Data interface           | mini-USB   |                                    |                         |                |                                    |                         |
| Data processing          | reports can be generated in EXCEL and PDF formats, and users can customize the content |                                    |                         |                |                                    |                         |
| Battery                  | 6000mAh  |                                    |                         |                |                                    |                         |
| Working environment      | -35~60°C   |                                    |                         |                |                                    |                         |
| Dimension (L×W×H)        | 254×79×280mm   |                                    |                         |                |                                    |                         |
| Net weight               | 1.6kg  |                                    |                         |                |                                    |                         |

\*can be customized according to user requirements: RoHS analysis mode, ore analysis mode

### STANDARD DELIVERY

|  |       |
|--|-------|
| Main unit                              | 1pc   |
| Battery                                | 2pcs  |
| Power adapter                          | 1pc   |
| 316 reference sample                   | 1pc   |
| Window protective film (HSM-S110-FILM) | 10pcs |

### OPTIONAL DELIVERY

|                   |                |
|-------------------|----------------|
| Bluetooth printer | HSM-S110-BP    |
| Stand             | HSM-S110-STAND |
| Testing cup       | HSM-S110-CUP   |