

| Product | ix5 500 | ix5 600 | ix5 700 | ix5 800 |
|---------------------|--|--|--|--|
| Picture |  |  |  |  |
| Instrument weight | 1.5kg (including battery) | 1.5kg (including battery) | 1.5kg (including battery) | 1.5kg (including battery) |
| Instrument volume | 220mm*91mm*276mm | 220mm*91mm*276mm | 220mm*91mm*276mm | 220mm*91mm*276mm |
| Excitation source ★ | High-performance ceramic package micro-focus X-ray tube, Ag anode target, maximum voltage 50KV, maximum power 4W | High-performance ceramic package micro-focus X-ray tube, Ag anode target, maximum voltage 50KV, maximum power 4W | High-performance ceramic package micro-focus X-ray tube, Ag anode target, maximum voltage 50KV, maximum power 4W | High-performance ceramic package micro-focus X-ray tube, Ag anode target, maximum voltage 50KV, maximum power 4W |
| Detector ★ | High-performance Si-Pin detector | High-performance SDD silicon drift graphene window semiconductor detector | High-performance Si-Pin silicon semiconductor detector | High-performance Si-Pin silicon semiconductor detector |
| Electronic | i.MX 8M Mini quad-core 1.8GHz, | i.MX 8M Mini quad-core 1.8GHz, | i.MX 8M Mini quad-core 1.8GHz, | i.MX 8M Mini quad-core 1.8GHz, |

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|---------------------------|--|--|--|--|
| system | 4096-pixel multi-channel analyzer/80 MHz ADC digital signal processor | 4096-pixel multi-channel analyzer/80 MHz ADC digital signal processor | 4096-pixel multi-channel analyzer/80 MHz ADC digital signal processor | 4096-pixel multi-channel analyzer/80 MHz ADC digital signal processor |
| Filter | Intelligent multi-position | Intelligent multi-position | Intelligent multi-position | Intelligent multi-position |
| Heat dissipation design ★ | Super heatsink cooling | Super heatsink cooling | Super heatsink cooling | Super heatsink cooling |
| Collimator | 5mm collimator | 5mm collimator | 5mm collimator | 5mm collimator |
| Window film | Kapton Windows | Kapton Windows | Kapton Windows | Kapton Windows |
| Display screen ★ | 5-inch touch color display | 5-inch touch color display | 5-inch touch color display | 5-inch touch color display |
| Working environment | Operating temperature -10° C to +50° C, relative humidity 0-80% (non-condensing) | Operating temperature -10° C to +50° C, relative humidity 0-80% (non-condensing) | Operating temperature -10° C to +50° C, relative humidity 0-80% (non-condensing) | Operating temperature -10° C to +50° C, relative humidity 0-80% (non-condensing) |
| Memory ★ | 8G, can store 100,000 data items, with date and time feature descriptions | 8G, can store 100,000 data items, with date and time feature descriptions | 8G, can store 100,000 data items, with date and time feature descriptions | 8G, can store 100,000 data items, with date and time feature descriptions |
| Operating system ★ | Smartphone-style operating system | Smartphone-style operating system | Smartphone-style operating system | Smartphone-style operating system |
| Security system ★ | Safety Guard sensor, infrared and detector counting anti-runaway protection | Safety Guard sensor, infrared and detector counting anti-runaway protection | Safety Guard sensor, infrared and detector counting anti-runaway protection | Safety Guard sensor, infrared and detector counting anti-runaway protection |

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|--------------------|--|--|---|--|
| Data transmission | WiFi, USB | WiFi, USB | WiFi, USB | WiFi, USB |
| Data format | Excel & TXT | Excel & TXT | Excel & TXT | Excel & TXT |
| Grade library | 1600+, Chinese standard, American standard, Japanese standard, German standard | 1600+, Chinese standard, American standard, Japanese standard, German standard | Soil Mode | Alloy Mode & Soil Mode |
| Algorithm | Fundamental Parameters Method | Fundamental Parameters Method | Fundamental Parameters Method | Fundamental Parameters Method |
| Language | Chinese, English | Chinese, English | Chinese, English | Chinese, English |
| Detection elements | Ti, V, Cr, Mn, Fe, Co, Ni, Hf, Ta, Re, Cu, Zn, W, Se, Pb, Bi, Zr, Nb, Mo, Al, Pd, Ag, Sn, Sb. etc. | Ti, V, Cr, Mn, Fe, Co, Ni, Hf, Ta, Re, Cu, Zn, W, Se, Pb, Bi, Zr, Nb, Mo, Al, Pd, Ag, Sn, Sb, Mg, Si, P, S. etc. | Cd, Hg, As, Pb, Cr, Cu, Ni, Zn, W, Co, Fe, Cr, V, Ti, Ba, Mo, Nb, Zr, Bi, Se, Mn, Rb, Sr, K, Ca. etc. | Alloy Mode: Ti, V, Cr, Mn, Fe, Co, Ni, Hf, Ta, Re, Cu, Zn, W, Se, Pb, Bi, Zr, Nb, Mo, Al, Pd, Ag, Sn, Sb. etc. Soil Mode: Cd, Hg, As, Pb, Cr, Cu, Ni, Zn, W, Co, Fe, Cr, V, Ti, Ba, Mo, Nb, Zr, Bi, Se, Mn, Rb, Sr, K, Ca. etc. |
| PC software | AXRSPEC V2.0 | AXRSPEC V2.0 | AXRSPEC V2.0 | AXRSPEC V2.0 |
| Battery ★ | A single battery can last 8-10 hours on a normal charge | A single battery can last 8-10 hours on a normal charge | A single battery can last 8-10 hours on a normal charge | A single battery can last 8-10 hours on a normal charge |