HAND-HELD SPECTROMETER
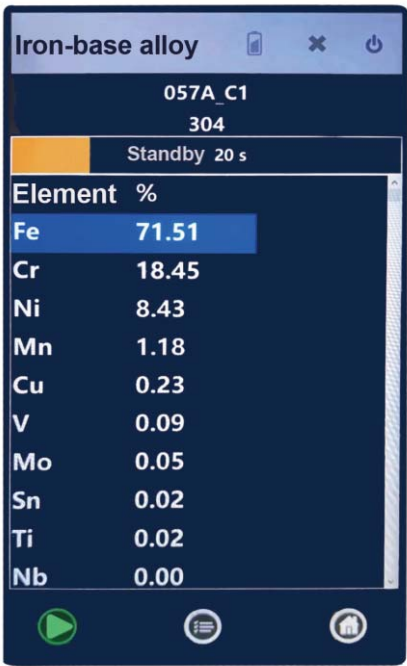# CODE HSM-A310

IP54 WATERPROOF
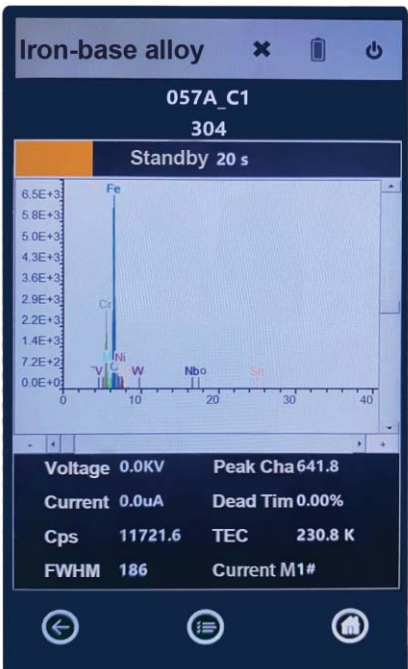
Protection support(included)

Standard sample(included)

- Fast and non-destructive test to identify alloy grade and composition
- For all kinds of high and low temperature alloy steel, stainless steel, tool steel, chromium/molybdenum steel, nickel alloy, cobalt alloy, nickel/cobalt heat resistant alloy, titanium alloy
- Multiple tests, it can automatically calculate maximum value, minimum value and standard deviation
- IP54 dust/waterproof

Iron-base alloy	
057A_C1	
304	
Standby 20 s	
Element	%
Fe	71.51
Cr	18.45
Ni	8.43
Mn	1.18
Cu	0.23
V	0.09
Mo	0.05
Sn	0.02
Ti	0.02
Nb	0.00

Test

Iron-base alloy
057A_C1
304
Standby 20 s

Voltage	0.0KV	Peak Cha	641.8
Current	0.0uA	Dead Tim	0.00%
Cps	11721.6	TEC	230.8 K
FWHM	186	Current M1#	

Analysis

SPECIFICATION

Excitation source	50KV/200μA; Ag target, integrated end window, micro X-ray tube and high voltage power supply, matching power ≥4W
Detector	Si-PIN, window area 25mm²
Elemental analysis range	Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Se, Zr, Nb, Mo, Rh, Pd, Ag, Cd, Sn, Sb, Hf, Ta, W, Re, Pb, Bi
Alloy analysis mode	1.Automatically identify alloy grade 2.Small sample test, 1mm small sample compensation 3.Alloy material qualified test mode
Collimator filter	7groups
Display	5-inch LCD touch screen
CPU	Quad-core processer, 1.4GHz, 4G memory
Memory	Built-in 64G, storage data, >500000 groups
Data transmission	Built-in WIFI, U disk, bluetooth (support bluetooth printer)
Data export format	EXCEL, BMP, PDF, CSV
Battery	6800mAh lithium battery, for 8 hours working time
Air pressure compensation	Built-in pressure measurement module for system compensation and correction
System	Win-IOT operating system
Work environment	Temperature 0~40°C, relative humidity 10% ~ 90%
Dimension	250x320x80mm
Weight	1.9Kg

STANDARD DELIVERY

Main unit	1pc
Charger	1pc
Battery	2pcs
Test film	50pcs
Sample cup	1pc
Standard sample	1pc
Protection support (including calibration silver)	1pc
USB and cable	1pc