

FAST FACT

KT-100S - MORE THAN A "REALLY GOOD" ALUMINUM ANALYZER

The introduction of handheld LIBS for the metal alloy market brought forward light element analysis never previously experienced with legacy analyzers, such as handheld XRF. The ability to now "see" Lithium (Li), beryllium (Be), boron (B) and low-level magnesium (Mg) added new alloys and capabilities for many scrap metal recyclers, secondary producers and foundries. However, the question routinely asked is; "Why would I replace my handheld XRF if I'm analyzing or verifying stainless steels, nickels and ferrous alloys? "

Designed and built from the start to be more than an aluminum analyzer, the Rigaku KT-100S offers the precision and accuracy needed for many common stainless steel (2XX, 3XX, 4XX) and nickel alloys found all along the life cycle of metal alloys (fabricators, end users, scrap metal recyclers).



THE PERFORMANCE OF THE KT-100S, COUPLED WITH KEY ADVANTAGES OF HANDHELD LIBS, MAKE IT THE TECHNOLOGY OF CHOICE FOR MORE THAN JUST ALUMINUMS:



Low Cost of ownership

- Save thousands versus legacy technology



Certified Ruggedness



- IP-54 and Mil-Spec 810G

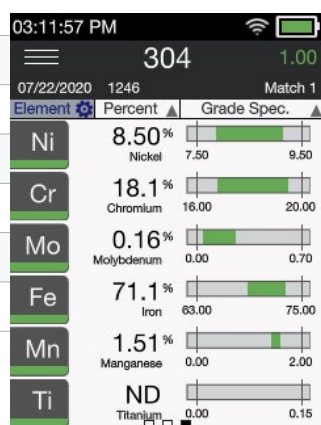


Minimal regulatory requirements

PERFORMANCE FOR KEY ELEMENTS IN STAINLESS AND NICKEL ALLOYS

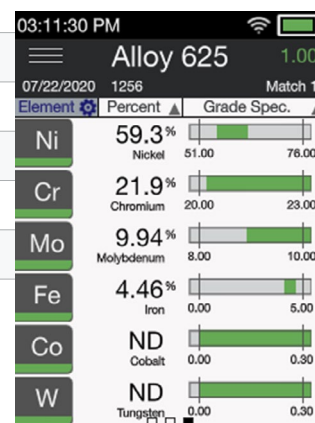
Stainless Steels:

Element	Range %	+/- %
Ti	0-0.5	0.05
Cr	16-20	0.20
Mn	0-2	0.06
Fe	60-70	0.25
Ni	6-10	0.15
Cu	0-0.5	0.02
Nb	0-0.7	0.1
Mo	0-2	0.05



Nickel Alloys:

Element	Range %	+/- %
Al	0-0.6	0.02
Ti	0-1.5	0.08
Mn	0-0.7	0.03
Fe	3-20	0.25
Ni	48-63	0.3
Nb	0.2-5	0.2
Mo	3-9	0.2



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