



• S1 TURBO^{SD}

Module	S1 TURBO ^{SD}	S1 TURBO ^{SD} LE
Weight	2 kg (4.49 lbs) with Batteries; 1.77 kg (3.9 lbs) base weight	
Dimensions	30 cm(L) x 10 cm(w) x 28 cm(H)	
Detector	10 mm ² X-Flash [®] SDD Detector; peltier cooled; typical resolution 145 eV at 100,000 cps	
Excitation Source	X-ray tube with Ag target; max voltage 40 kV	
Filter	Five position filter changer	
Environmental Range	-10°C to 50°C	
Sample Temperature	to 500°C	to 150°C
Calibration Range (Depending on Calibration)	31 elements	36 elements including Mg, Al and Si
Standard Alloy Library	Tool Steel, Low alloy steel, Stainless Steel, Cobalt, Nickel, Copper, Titanium, Aluminum, Zirconium, Tungsten, Zinc alloys	Same including light elements
Testing modes	Grade ID (Emperical); PMI (FP); Dual; Universal; Pass/Fail	
Power	Li-Ion battery; 6 hour operating time per battery; AC adapter is optional	
Display	240x320; 65,536 colors; back lit; touch screen	
Security	IR Samples Sensor; password protection; no sample (backscatter) Shutoff	
Data Storage	512MB Memory Card allows for storage of thousands of spectra and millions of results; larger memory cards available	
Data Transfer	ActiveSync via USB or wireless Bluetooth; Memory card	
Languages Supported	English, Chinese, Korean, Japanese, Russian, German, Italian, French, Dutch, Polish, Spanish, Spanish (Mexican), Portuguese	
Certification	CE, cTÜVus, IEC 61010-1:2002 by TÜV SÜD	

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Handheld XRF

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