



# ● S1 TURBO<sup>SD</sup>

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

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Handheld XRF

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