

Bruker Elemental

Zn<sup>30</sup>

Si<sup>14</sup>

Al<sup>13</sup>

Ni<sup>28</sup>

Cu<sup>29</sup>

# S1 TURBO<sup>SD</sup> & S1 SORTER

● Accessories

think forward

Handheld XRF

## ● Handheld Accessories



### Desktop Stand Kit

The Desktop Stand Kit provides a safe and economical approach to measuring small samples. The Plexiglas stand holds the analyzer in an upright position. The small parts table provides an extended surface on which to place the sample (Max 8.89cm dia x 4.5cm tall). In this configuration most XRF cups can be easily measured. For larger samples consider the Enclosed Benchtop Stand Kit. The small parts cover provides radiation shielding and will activate the IR sample sensor when in place. The kit includes:

- Plexiglas Instrument Stand
- Small parts table & cover
- Null Modem cable  
(for attaching the PDA to the instrument)
- PDA holder
- AC Adaptor



### Enclosed Benchtop Stand Kit (Available for the S1 TURBO<sup>SD</sup> models only)

The Enclosed Benchtop Stand provides a safe convenient way to measure larger samples (40cm x 30cm x 24cm) using the S1 TURBO<sup>SD</sup>. The instrument mounts under the table and the enclosure prevents radiation from escaping. This approach provides a convenient way of measuring small and irregular shaped samples. The kit includes:

- Enclosed Benchtop Stand with mounts for the PDA
- Null Modem Cable (for attaching the PDA to the instrument)
- AC Adaptor
- Remote Trigger Cable



### Instrument Battery

Li-ion battery is the main power source for the instrument. Completely charged, this battery will operate the instrument from 6 to 8 hours. Two batteries are supplied with the instrument. Additional batteries may be desired for back-up. Specifications: 2.2Ah, 14.8V.



### Battery Charger

The battery charger is designed to charge the Li-Ion batteries used with the instrument. This charger will completely charge the battery in about four (4) hours. One charger is supplied with the instrument. Additional chargers may be desired for charging multiple batteries. Specifications: AC input 100-240V, 50-60Hz.



### AC-Adaptor

The AC-adaptor provides continuous operation of the instrument by connecting to mains power. Specification: AC input 100-240V, 50-60Hz.



### Background Plate

The background plate is specially made to provide a neutral background when analyzing small samples, eliminating interference from other materials behind or around the sample. The plate also absorbs X-rays, providing additional safety from X-rays that might otherwise penetrate a desk, table, or other surface.



### **Kapton Window Kit**

The Kapton window protects the detector and other internal parts from dirt and other contamination. This window allows the instrument to measure samples at temperatures up to 500°C. The kit contains five (5) windows.



### **Ultralene Window Kit**

The Ultralene window protects the detector and other internal parts of the instrument from dirt and other contamination. This ultrathin window allows transmission of low energy x-rays such as those generated in aluminum alloys. This window is specifically designed for use on the S1 TURBO<sup>SD</sup> LE only. The kit contains five (5) windows.



### **SD Card**

The SD card provides a simple way to transfer data and spectra from the Instrument to your computer for further analysis and report generation. This card can hold thousands of spectra and millions of results.



### **SD Card Reader**

The SD card reader is a USB device which allows the transfer of data and spectra to your computer. Simply plug this card reader into a USB slot on a PC running Microsoft® Windows XP™ or Vista™ and the unit will automatically become operational.



### **PDA Cover**

The PDA Cover (standard with the S1 TURBO<sup>SD</sup> and S1 SORTER) is a convenient accessory for protecting the PDA from the dirt and grime of daily field use.



### **Weld Collimator**

The Weld Collimator limits the field of view of the analyzer so that thin welds can be measured without interference of the base metal.



### **Wire/Rod Adaptor**

The Wire/Rod Adaptor provides a rounded front surface for the analyzer which will position wires or small tubes at the best location for measurement.



### Holster

The Holster provides a convenient hands free method of carrying the analyzer (either the S1 TURBO<sup>SD</sup> or S1 SORTER) while in the field.



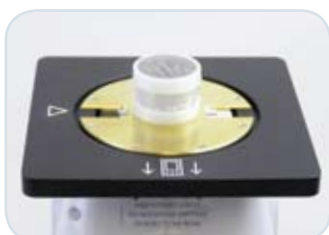
### Remote Trigger Cable

The Remote Trigger Cable allows the remote operation of the S1 TURBO<sup>SD</sup>. This cable provides the trigger capabilities from up to 6 feet (1.8 meters) away from the unit. This cable is especially useful when the instrument is in the Desktop Stand.



### Alloy Sample Kit

This Alloy Kit provides coupons of known identity and composition. Coupons are provided for the following alloy classes: Low alloy steels, Stainless steels, Nickel alloys, Copper alloys, Cobalt alloys, Titanium alloys and Aluminum alloys. The mill values for each element in the coupon is provided.



### Sample Cup Kit

XRF sample cups provide a convenient method of measuring small parts, powders and liquids. These cups are useful when measuring soil and mining samples. The cups are provided with thin film which has good transmission of x-rays. The kit contains 20 cups and sufficient film for them.

● = Optional Accessory    **Standard** = Supplied with model; additional pieces may be desired    **N/A** = Not available

	S1 SORTER	S1 TURBO <sup>SD</sup>	S1 TURBO <sup>SD-R</sup>	S1 TURBO <sup>SD</sup> LE
Desktop Stand Kit	●	●	●	●
Enclosed Benchtop Stand Kit	N/A	●	●	●
Battery	2-Standard	2-Standard	2-Standard	2-Standard
Battery Charger	Standard	Standard	Standard	Standard
AC-Adaptor	●	●	●	●
Background Plate	●	Standard	Standard	Standard
Kapton Window Kit	Standard	Standard	N/A	N/A
Ultralene Window Kit	N/A	N/A	Standard	Standard
SD Card	Standard	Standard	Standard	Standard
SD Card Reader	Standard	Standard	Standard	Standard
PDA Cover	Standard	Standard	Standard	Standard
Weld Collimator	●	●	●	●
Wire/Rod Adaptor	●	●	●	●
Holster	●	●	●	●
Remote Trigger Cable	N/A	●	●	●
Alloy Sample Kit	●	●	●	●
Sample Cup Kit	●	●	●	●

[www.handheldxrf.com](http://www.handheldxrf.com) ●

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