



Bruker Elemental

## Tracer III-V / III-V+

Module	Tracer III-V	Tracer III-V+
<b>Dimensions</b>	30cm x 10cm x 28cm (11.8 in x 3.9 in x 11 in) L x W x H	
<b>Weight</b>	2.04 kg (4.49 lbs) with battery and PDA. 1.63 kg (3.6 lbs) without battery and PDA	
<b>Detector</b>	Si-Pin detector. Resolution approximately 190 eV at 10,000 cps	
<b>Excitation Source</b>	Rh target X-ray tube. Max: 20µA at 40 kV; 55µA at 15 kV	Rh target X-ray tube. Max: 30µA at 40 kV; 55µA at 15 kV
<b>Filter</b>	Manual filter for optimum flexibility; 4 filter kit supplied	
<b>Testing Modes</b>	S1 PXRF on PC; Empirical Calibration on PDA	
<b>Standard Calibrations</b>	Low Alloy; Tool Steel; SS; Ni alloy; Copper/Brass/Bronze; Gold.	Low Alloy; Tool Steel; SS; Ni alloy; Copper/Brass/Bronze; Gold.  FP Calibration for mid-density samples
<b>Operating Range</b>	-10°C to +50°C (+14°F to 122°F)	
<b>Power</b>	Two Li-Ion batteries; Battery Charger; AC Adapter	
<b>PDA Display</b>	240 x 320; 65,536 colors; back lit; touch screen	
<b>PDA Software</b>	Microsoft® Windows Mobile® 5.0 for Pocket PC Bruker Elemental S1 proprietary software	
<b>PC Operating System PC Software</b>	Windows® XP or Windows® 7 Bruker Elemental proprietary software: PXRF; X-ray Ops	
<b>System Safety</b>	Key Lock; Password Protection; No sample (backscatter) shutoff	
<b>Data Storage</b>	512 MB Memory Card allows storage of thousands of spectra	
<b>Certification</b>	CE; cTUVus; IEC61010-1 by TUV Rheinland of North America	

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## • Vacuum Pump

Module	Vacuum Pump
<b>Weight</b>	3.63 kg (8 lbs)
<b>Dimensions</b>	30cm x 20.5cm x 8cm (11.8 in x 8.1 in x 3.15 in) W x H x D
<b>Operating Power</b>	Two Ni Metal Hydride; Battery Charger; AC adapter
<b>Vacuum Achieved</b>	Typically 1 torr or less
<b>Operating Range</b>	+5°C to 50°C (41°F to 122°F)
<b>Certification</b>	CE; cTUVus; IEC61010-1 by TUV Rheinland of North America

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think forward

HANDHELD XRF