



• Tracer III-SD

Module	Tracer III-SD
Dimensions	30cm x 10cm x 28cm (11.8 in x 3.9 in x 11 in) L x W x H
Weight	2.04 kg (4.49 lbs) with battery and PDA 1.63 kg (3.6 lbs) without battery and PDA
Detector	10mm ² X-Flash Detector. Resolution approximately 145 eV at 200,000cps
Excitation Source	Rh target X-ray tube. Max: 30μA at 40 kV; 55μA at 15 kV
Filter	Manual filter for optimum flexibility; 4 filter kit supplied
Testing Modes	S1 PXRF on PC; Empirical Calibration on PDA
Standard Calibrations	40 kV Alloy Empirical, 15 kV Vacuum Aluminum
Operating Range	-10°C to +50°C (+14°F to 122°F)
Power	Two Li-Ion batteries; Battery Charger; AC Adapter
PDA Display	240 x 320; 65,536 colors; back lit; touch screen
PDA Software	Microsoft® Windows Mobile® 5.0 for Pocket PC Bruker Elemental S1 proprietary software
PC Operating System PC Software	Windows® XP or Windows® 7 Bruker Elemental proprietary software: PXRF; X-ray Ops
System Safety	Key Lock; Password Protection; No sample (backscatter) shutoff
Data Storage	512 MB Memory Card allows storage of thousands of spectra
Certification	CE, cTÜVus, IEC 61010-1:2002 by TÜV SÜD

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Handheld XRF



• Vacuum Pump

Module	Vacuum Pump
Weight	3.63 kg (8 lbs)
Dimensions	30cm x 20.5cm x 8cm (11.8 in x 8.1 in x 3.15 in) W x H x D
Operating Power	Two Ni Metal Hydride; Battery Charger; AC adapter
Vacuum Achieved	Typically 1 torr or less
Operating Range	+5°C to 50°C (41°F to 122°F)
Certification	CE, cTÜVus, IEC 61010-1:2002 by TÜV SÜD

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