



## New! **TRACER 5<sup>i</sup>**

- Portable X-ray Fluorescence Analyzer

Bruker introduces the Next Generation TRACER handheld XRF elemental analyzer system. The new TRACER 5<sup>i</sup> is reconfigured to be more powerful, flexible and fully field interactive, while retaining the unique features and comprehensive analytical software that the TRACER is recognized for.

Bruker's new TRACER 5<sup>i</sup> synchronizes power, function, precision and accuracy to provide dynamic, field capable elemental analysis from everyday point-and-shoot testing to the ever-changing challenges and complexities of advanced applications and research.

The new TRACER 5<sup>i</sup> retains the trademark ability to use an air, vacuum or helium beam path and to interactively control power, filters, collimators and atmosphere, along with comprehensive data analysis capabilities to provide the ultimate in on-site interaction for faster analysis at lower LODs— especially for light elements like sodium. The new analytical software preserves the TRACER's comprehensive analytical software features for complex materials, but has a more streamlined workflow and additionally incorporates EasyCal software to provide simple correlation fits for standard materials.

● The New TRACER 5<sup>i</sup>

# Powerful, Flexible & Interactive

## Handheld X-ray Fluorescence Analyzer



Rh thin window X-ray tube

Proprietary large area SDD

SharpBeam™ optimization

3 or 8 mm spot size

Internal VGA CMOS camera

Manual filter slot AND  
Internal 5-position filter wheel

Interactive touch screen

Wi-Fi . Bluetooth . USB

Vacuum / helium port

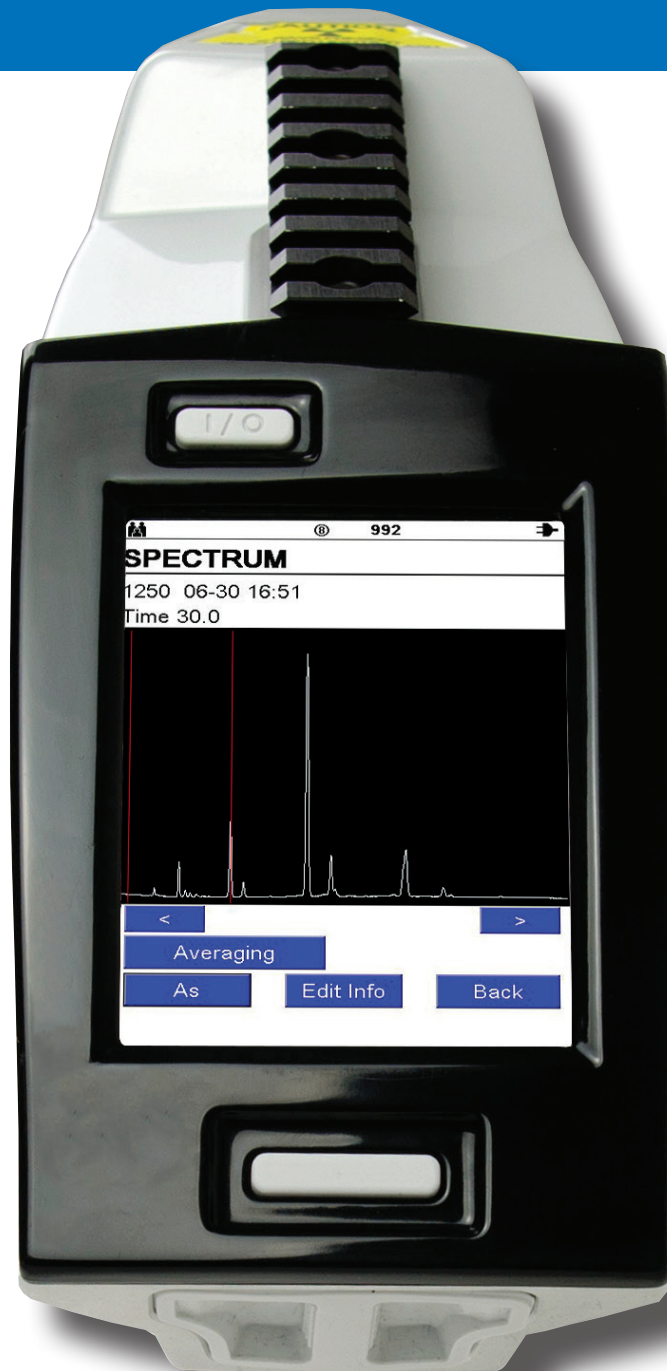
TrueTouch™ trigger switch

EasyAccess™ rail mount

Pressure / temperature  
compensation

Relaxed handgrip strap

## • The New TRACER 5<sup>i</sup>



**Bruker's new TRACER 5<sup>i</sup> system software:**  
From simple point-and-shoot testing to comprehensive analysis

### EasyCal

- Single or multi-element spectral analysis
- Empirical matrix correction
- User generated correlations
- Transfer to TRACER 5<sup>i</sup> O/S
- Report generator

### Point-and-Shoot

- Standard, customized or user-generated
  - Y/N, P/F, ID
  - Composition
  - Live spectral ID

### ARTAX

- Comprehensive interactive live analysis
- Compare multiple spectra or values
- Full spectrum or region of interest
- Bayesian inference . Deconvolution
- Empirical . Compton . FP

## Specifications

FEATURES	SPECIFICATIONS
<b>Dimensions</b>	27.3 cm x 9.4 cm x 29.5 cm (10.75 in x 3.7 in x 11.6 in) L x W x H
<b>Weight</b>	1.9 kg (4.1 lbs) with battery or 1.6 kg (3.6 lbs) without battery
<b>Power</b>	Li-Ion battery and charger; AC adapter
<b>Excitation source</b>	Rhodium (Rh) thin window X-ray tube; wide range X-ray generator 6-50kV with 5-200µA, max 4 Watt output; adjustable automated X-ray voltage and current for specialized application optimization
<b>Collimation</b>	Selectable collimation includes 3 and 8 mm spot sizes
<b>Filters</b>	Selectable automated internal 5 position primary beam filter changer wheel with pre-installed filters; manual insertion filter/secondary target slot for factory or user-made filters; two manual filter holders
<b>Detector</b>	Proprietary 40mm <sup>2</sup> silicon drift detector with < 140 eV @ 250,000 cps Mn Kα; resolution for optimum light element analysis
<b>Geometry</b>	Features patented SharpBeam™ beam path for best performance at low power
<b>Beam path</b>	Capable of selectable beam path of vacuum, helium or air to analyze from elements as light as sodium (Na) to as heavy as uranium (U)
<b>Internal camera</b>	Internal VGA CMOS camera with ability to store up to 5 photos per assay
<b>Interactive touchscreen</b>	High performance and contrast daylight visible TFT LCD 3.7 in touchscreen display
<b>Convenience</b>	TrueTouch trigger switch, relaxed ambidextrous handgrip strap and EasyAccess rail mount for accessories
<b>Control software</b>	Full control OS on analyzer and on PC software
<b>Analysis software</b>	Point-and-shoot and live spectra on analyzer; point-and-shoot, live spectra and full qualitative, semi-quantitative and quantitative software on PC
<b>Data storage &amp; transfer</b>	Data storage card, I/O ports, Wi-Fi and Bluetooth connectivity to save and transmit data from the field
<b>Operating range</b>	-10°C to +50°C (+14°F to 122°F)
<b>Certification</b>	CE, cTÜVus, FCC part 15



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