

PortaSpec® XBT

MULTI-ELEMENT SEQUENTIAL ANALYSIS

**PERFORM MULTI-ELEMENT
SEQUENTIAL ANALYSIS IN
THE RANGE OF TI TO U**



PRODUCT OVERVIEW

PortaSpec® WDXRF Analyzer is capable of performing multi-element sequential analysis in the range of Ti to U and is ideal for measuring coating weights of both chrome and titanium pretreatment.

Cianflone's benchtop PortaSpec® XBT is similar to the original Model 2501 PortaSpec® X-Ray Spectrograph. It contains a rotating goniometer that allows the user to analyze up to five elements, preset sequentially one at a time. Its elemental range is from element #22 titanium to element #92 uranium. An easy load two-position sample holder is an integral part of the instrument configured for analyzing liquids, powders, solids, and thin films. Samples are changed at the open end of the holder allowing a sample to be analyzed while one is being loaded.

Other benchtop PortaSpec® versions available are Fixed Single Element (FSE) and Multi-Element Sequential (MES) analysis



SOFTWARE

Powering Cianflone's full line of Portable X-Ray Spectrographic Analyzers is PortaSpec® PCS Software—a Windows®-based application that provides excellent records of prior analyses, improves productivity, and simplifies analysis. PortaSpec® PCS Software is designed for multiple industries, including tubing and bar stock, mining and minerals, petroleum, high- and low-alloy steel, scrap metals, glass, synthetic and natural fibers, building materials, can, chemical research, alloy research, automotive, nuclear testing, and welding.



INCLUDED ITEMS

- Electric water coolant and circulator
- Windows®-based notebook computer
- PC Interface and pre-installed software
- Software training and upgrades for up to a year are included with your PortaSpec® purchase.

WORLDWIDE APPLICATION

Companies worldwide depend on Cianflone Scientific to provide efficient and effective portable elemental analysis, coating thickness measurements and sample preparation.



PortaSpec® XBT TECHNICAL DATA

Bragg Angle Range	13 to 98 Degrees Two Theta	
Analyzing Crystal	LiF 200	
Element Range Ka	22 – 47 (Ti – Ag)	
Element Range La	56 – 92 (Ba – U)	
Goniometer Element Stops	5 Adjustable 1 Goniometer Locking Stop	
X-Ray Tube Voltage	10, 20 or 30 kV Constant Potential	
Voltage Requirements	117 VAC 230 VAC Single Phase Line Regulation Required \pm 5%	50/60 Hz 50/60 Hz
Dimensions and Weight PortaSpec® Water Circulator	18" L x 14" W x 13" H 10" L x 10.5" W x 13" H	50 lbs. 10 lbs. Empty