



OCEAN King India

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OCEAN PUMA EDXRF 7600D



1. Product name and model introduction

1.1 Product name and model: (OCEAN) energy dispersive x-ray fluorescence spectrometer---OCEAN PUMA 7600D

1.2 Manufacture: OCEAN

1.3 Real picture of the OCEAN PUMA 7600D

1.4 Working environment

Temperature: 15-30°C Humidity: 40%~50% Power supply: AC 220V \pm 10%

1.5 technical specifications

1.5.1 Element range: From Sulfur to Uranium (S-U) 1.5.2 Concentration range: from

1.5.3 test time: 100-300 seconds 1.5.4 Detection limit for the Rohs compliance elements (Cd/Pb/Cr/Hg/Br) can reach 1ppm 1.5.5 Energy resolution: 149 \pm 5ev

1.5.6 Suitable working temperature: 15-30°C 1.5.7 Power: 220V \pm 5V (Power

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stabilizer is recommended to add with the spectrometer.)

1.6 Product features

1.6.1 OCEAN PUMA 7600Dis specially designed for the RoHs/WEEE, EN71 regulations. 1.6.2 Compact bench-top model with the cutting-edge fashion design. 1.6.3 Equipped with the latest electrical peltier cooling Si-pin detector. 1.6.4 The self-developed SES signal processor dramatically improved the sensitivity and accuracy 1.6.5The one-button test design simplifies the whole analysis procedure greatly to provide the highest

convenience and efficiency 1.6.6 As many as 7 optical collimators can be switched freely depending on different applications. 1.6.7 The multiple radiation protection design provides the highest safety level in the market. 1.6.8 The advanced heat reducing design proves the stability and safety of the instrument. 1.6.9

The unique temperature controlling technology of the x-ray tube extends the life time greatly and reduces the operation cost effectively. 1.6.10 On-line monitor function provides continuous

operating condition data to prove the highest safety and stability 1.6.11 With excellent user friendly interface, the windows standard developed RoHs program can be easily operated 1.6.12 The USB2.0 port increases the data transmission speed and accuracy.

2. Hardware configurations

2.1 Peltier cooling Si-Pin semiconductor detector.

2.1.1 The latest Si-pin detector with the resolution $149\pm 5\text{ev}$. 2.1.2 The amplifier: The collected signal by detector are amplified

2.2 The x-ray source

2.2.1 X-ray tube with filament current limit: 1mA 2.2.2. The 50 watts x-ray tube is a consumable part

2.3 High voltage device

2.3.1 Voltage output limit: 50kV 2.3.2 The minimum controllable adjustment is

5kV. 2.3.3 Overvoltage protection function

2.4 Multi channel analyzer (MCA)

2.4.1 The collected analog signal is converted to digital signal. 2.4.2 Maximum

channels: 2048 2.4.3 Equipped with SES processor

2.5 Optical path filter module

2.5.1 It is designed to decrease the interference and lost of the x-ray optical path.

2.5.2 Integrated collimator and filter module.

2.6 Auto switch of the collimator

Choices of the collimator which are 8-1 # , 8-2 # , 8-3 # , 8-4 # , 6 # , 4 # , 2 # respectively

2.7 Auto switch of the filter

Five choices of filter

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2.8 Auto load of the calibration curves

Calibration curves can be automatic chose by the program based on the sample type.

Introduction

The tailored the RoHs is developed for RoHs screening analysis

Features :

The XRAY Analyzer is customized to measure the Cd,Pb, Hg, Br, Cr of RoHs compliance within 100-300 seconds. The user-friendly interface makes it an easy access to any user. As shown in figure below:

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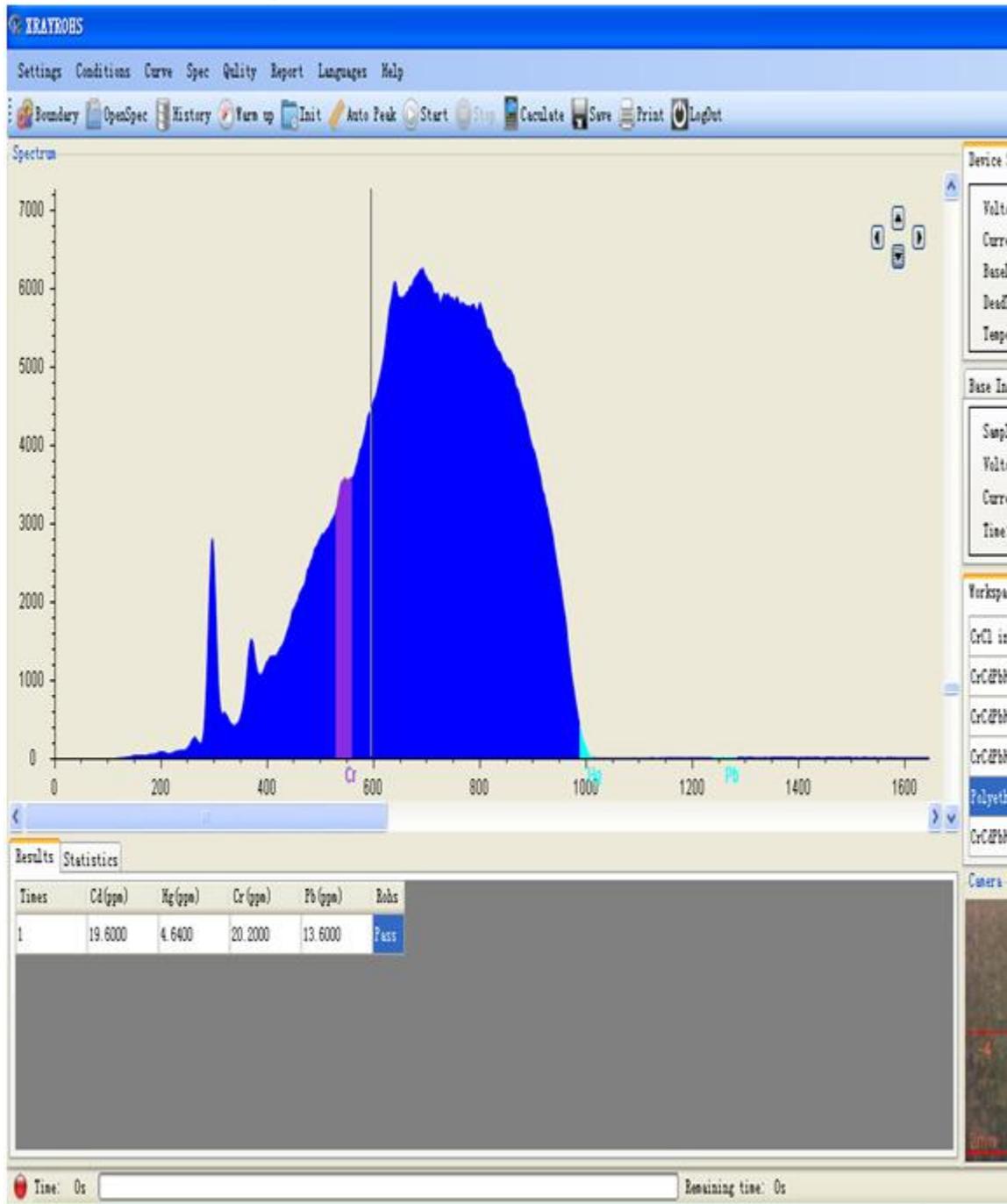
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The calibration curve can be matched with unknown sample by the program itself
More than 3 languages are available in the software. Automatic intensity correction function can be applied. The qualitative analysis function can prevent the mistakes of wrong
Multiple sample spectrum can be loaded simultaneously.

Standard samples

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Standard samples for calibration and correction
sample chamber.

Open sample chamber with large space.

standard samples

ERM EC681K Pure silver sample.

Warranty and after-sale service

On-site installation and training is available.

One year warranty is offered after the first installation.

The lifetime service is provided to all our products.

Free software upgrade can be downloaded from our website.

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