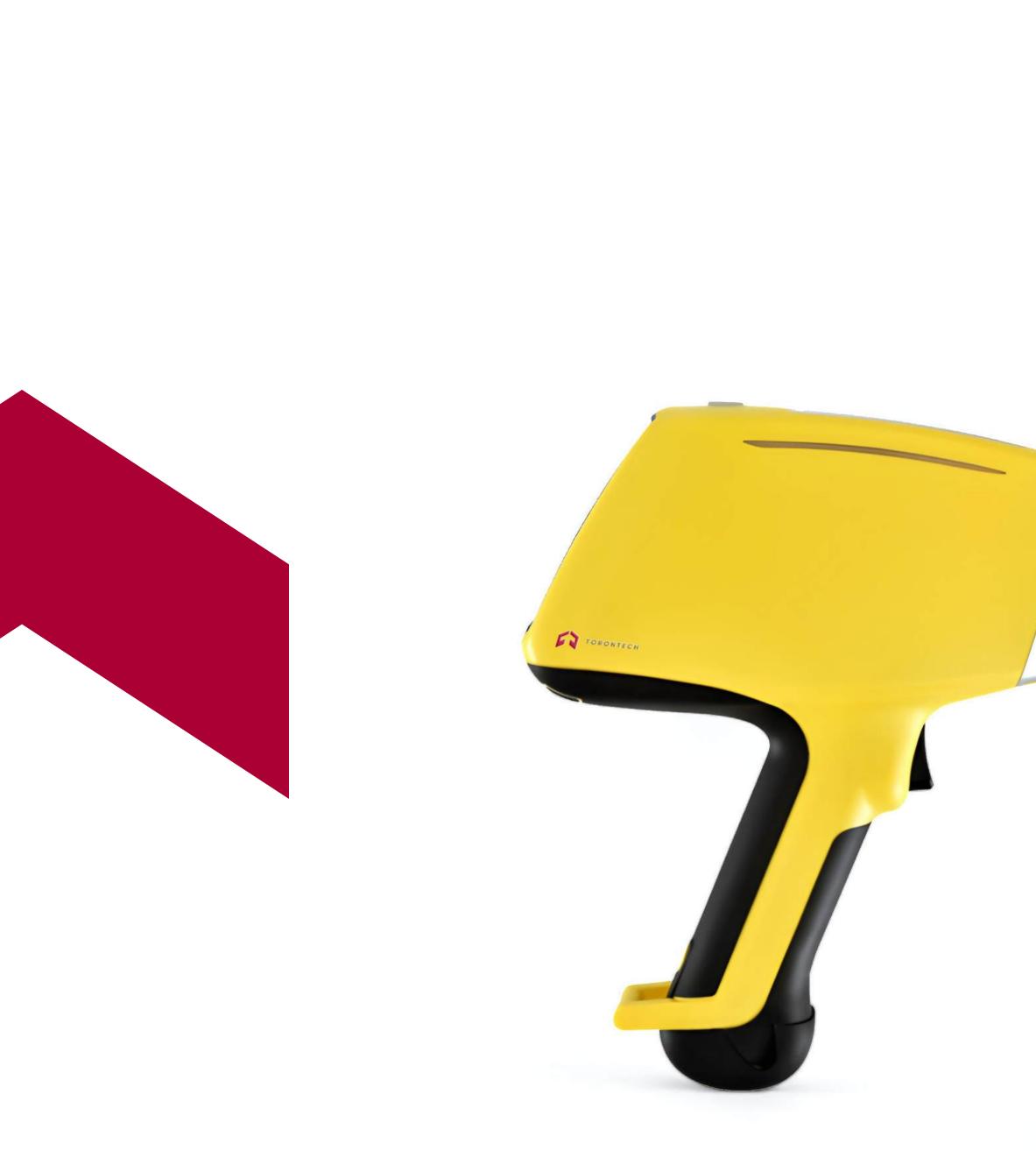


# Handheld XRF Analyzer RoHS Analyzer TrueX 600

### INNOVATIVE TECHNOLOGIES







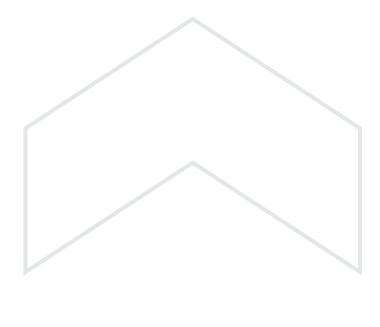




## Handheld XRF Analyzer - RoHS Analyzer TrueX 600

The Handheld XRF Analyzer - RoHS Analyzer | TrueX 600 is a compact, lightweight, and highly portable device designed for rapid and precise elemental analysis in various environments. Featuring a high-performance X-ray tube and an ultra-high resolution detector, it delivers exceptional accuracy and speed in detecting elements from Ti to U. Its ergonomic design ensures ease of use, even in harsh conditions.

Additionally, TrueX 600 is also equipped with an industrial resistive touch screen, advanced algorithms, and intelligent battery management, making it a comprehensive solution for on-site analysis across industries such as electronics, metallurgy, and environmental protection.





### **APPLICATIONS**



**Electronics and Consumer Products:** Detects hazardous substances such as Pb, Hg, Cd, Cr, Br, and As, ensuring compliance with RoHS directives.



Metallurgy and Building Materials: Analyzes the composition of steel, nonferrous metals, alloys, cement, ceramics, and wood for manufacturing and quality control.



**Petroleum and Environmental Protection:** Detects trace elements like sulfur (S) and lead (Pb) in petroleum products and monitors pollutants in soil, wood, and other environmental samples.





composition analysis, facilitating quick assessment of mineral reserves.



various industries meet specific regulatory and safety standards.



and research purposes.

Geological and Mining Industries: Provides on-site ore grading and mineral

Commodity Inspection and Quality Control: Ensures products across

Food Safety and Medical Applications: Detects trace elements in food products and analyzes trace elements in biological samples for medical

### **FEATURES/ADVANTAGES**

- High-Performance X-ray Tube and Detector: Utilizes an ultra-high resolution detector combined with advanced digital multi-channel processing technology, ensuring precise and rapid elemental analysis across a wide range of materials.
- **Durable and Portable Design:** Lightweight with an antislip, abrasion-resistant exterior, the TrueX 600 operates effectively in harsh environments, including dusty and rainy conditions, making it ideal for on-site analysis.
- **Customizable Reporting:** Allows users to personalize reports by adding company logos, test results, and other relevant data. The device also supports remote configuration and maintenance via the internet.
- Advanced Safety Features: Includes double beam technology for safe operation, gravity-sensing shutdown, and comprehensive radiation safety with low-power X-ray tubes and protection shields.

Intelligent Battery Management: Features real-time monitoring of battery and backup battery capacity through the MSBUS bus system, enabling continuous operation for up to 8 hours on a single charge, ensuring extended field use.

- applicable to various industrial sectors.
- designed for ease of use in field conditions.
- demanding environments.

High-Precision and Versatile Analysis: Capable of analyzing both solid and liquid samples with high precision, detecting elements from Titanium (Ti) to Uranium (U), and

**Enhanced User Interface:** Equipped with an industrial resistive touch screen that offers superior clarity in sunlight and can be operated with gloves, the TrueX 600 is

**Fast and Efficient Performance:** Engineered for rapid analysis, the TrueX 600 can identify mineral elements in just 2 seconds, optimizing productivity and efficiency in

### **TECHNICAL SPECIFICATIONS**

DETA	SPECIFICATION
ARM architecture Corte	Processor
Android 4.2 operating system processor, 4096 MCA channel GPS and	System
Industrial resistive touch scree 640 x 480 resolution, automo	Display
Built-in 32GB memory, cap spectral data a	Data Storage
-20° <b>C</b> to	Operating Temperature
≤905	Operating Humidity
Pipes, flat surfaces, surf solid, liquid, ar	Material Measurement Capabilities
X-ray energy dispersive metho	Method of Analysis
Detects dozens of elem	Simultaneous Element Detection
1GB CPU, 1GB RAM, 32G s	Memory and RAM
ppm ~ 9	Measurement Range Content
15 secc	Reading Time
Lithium battery with 6800Ah co operation, equipped wit	Battery
Low resolution	Sensor Resolution



#### AILS

#### ex-A81GHz, 1GBCPU

n, 80 MHz ADC digital pulse el, 32GB memory, integrated id WIFI

een, 4.3" size, TFT-LCD with atic brightness adjustment

oable of storing 300,000 and spectrum

#### • +50°C

%

face integrals, welds, and powder

od for fluorescence analysis

ments simultaneously

standard configuration

9.99%

onds

capacity, 8-hour continuous th 110V-220V adapter

on of 139 eV

SPECIFICATION	
Excitation Source	40KV / 100mA-Ag v voltage source, (stande
Collimator and Filter	4.0 or 2.0 diamete ma
Protection	Water, dust, and s pro
Test Window	
Charging System Gas	Helium ch
Security	Standalone pass techn
Data Transmission	Digital multi-ch waterproof miniatu report export, custor
Weight	1
Dimensions	25
Detector	
Range of Detection	All elements
Heat Dissipation	Equipped with a d need
Power Supply System	Intelligent battery MSBUS, complies wi <sup>-</sup>

#### DETAILS

window miniature tube anode X-ray and high e, with adjustable pipe pressure; Ag target lard), Au, W, Rh targets (optional)

er, automatic switch of 8 filters, 12 groups plus ode for different sample tests

shock resistant, includes a waterproof, dustoof, and shockproof suitcase

12mm

harging system of ordinary pressure

sword manager mode, built-in double beam nology for safety and protection

hannel technology, SPI data transmission, ure USB connection, supports EXCEL and PDF mizable with company logos and other details

1.6 Kg (with battery) / 3,5 lb

 $254 \times 79 \times 280 \text{ mm} (L \times W \times H)$ 

BOOST Si-PIN detector

between Titanium (Ti) and Uranium (U)

dedicated T-shaped radiator, eliminating the difference of the dif

y management with real-time monitoring via ith air transport regulations, 8-hour battery life





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