MIX-5 Series

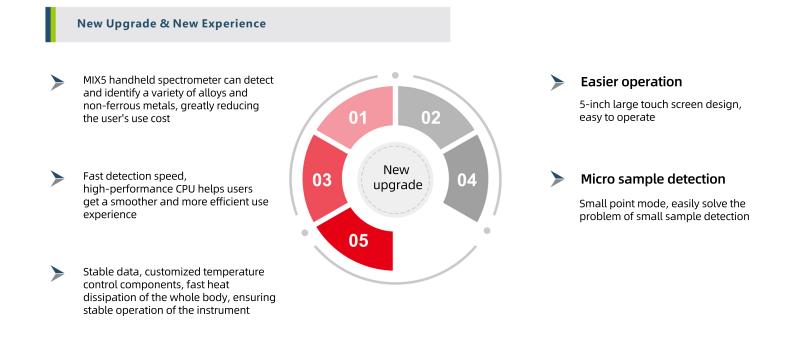## Handheld X-ray Fluorescence Spectrometer

Guard your quality control and safety testing

MIX5 Pro
Series Handheld X-ray Fluorescence Spectrometer

Based on nearly 30 years of experience in metal material analysis and new technology research and development, TFN launched the MIX5 series of handheld X-ray fluorescence spectrometers. After the integration, upgrading and optimization of the previous products, the products have better metal analysis capabilities, faster analysis speed, and smoother and more convenient use experience.
At the moment you pull the trigger of the instrument, you can easily achieve fast and accurate component analysis, helping users to significantly reduce material testing costs and quickly make material selection decisions.

New Upgrade & New Experience

➤ MIX5 handheld spectrometer can detect and identify a variety of alloys and non-ferrous metals, greatly reducing the user's use cost

➤ Fast detection speed, high-performance CPU helps users get a smoother and more efficient use experience

➤ Stable data, customized temperature control components, fast heat dissipation of the whole body, ensuring stable operation of the instrument

01 **02** **03** **04** **05** New upgrade

➤ **Easier operation**

5-inch large touch screen design, easy to operate

➤ **Micro sample detection**

Small point mode, easily solve the problem of small sample detection

Features

○ ➤ **Fast, non-destructive and accurate detection performance**

• The MIX5 series combines powerful basic parameters (FP) and empirical coefficient methods (traceable reference materials) to provide accurate analytical precision and accuracy. You only need to select the application that meets your needs, determine the metal grade in seconds, and extend the detection time by a few seconds to obtain near-laboratory-level analysis results

○ ➤ **Extensive, customizable grade library, covering 1600+ alloys**

• MIX5 contains a comprehensive grade library, including AISI, DIN, JIS and GB grade libraries, covering 1600+ alloys. Users can modify existing grade libraries, add new grades or create their own grade libraries

➤ Sturdy and durable design, careful attention to instrument details

- Ergonomic design, light weight, small size, good balance

- Large battery capacity, single charge can last 8~10 hours

- Humanized anti-puncture window design effectively protects the entire test front end

- IP54 protection level, rugged and durable, can adapt to many harsh environments

- Flexible detection head, conical test head can easily detect curved or corner parts (welds)

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Ele	%	±	
Fe	53.971	0.028	46.0 ~ 58.0
Cr	24.155	0.115	24.0 ~ 26.0
Ni	19.464	0.027	19.0 ~ 22.0
Mn	1.820	0.032	0.0 ~ 2.0
Mo	0.222	0.001	0.0 ~ 0.6
Co	0.133	0.062	
Cu	0.126	0.048	
V	0.059	0.003	

➤ Simple and smooth operation interface, easy to learn and use

- Icon-based user interface, simple and intuitive, no tedious training required

- 5-inch color touch screen, with excellent backlight performance, screen data can be clearly displayed even in strong outdoor light

- Smartphone-style operating system, simple and convenient operation

- Optional camera, helps to accurately locate the measurement

➤ Powerful and professional data management, safe and convenient

- Can store up to 100,000 test results, including spectra and sample images

- Results and reports can be transferred to the computer via a data cable

On-site material identification

Say goodbye to the cumbersome sampling and sample preparation procedures, and quickly and non-destructively determine the material grade and composition on-site, which can adapt to various on-site testing conditions

Machining

MIX5 can perform QA/QC, incoming material inspection, material identification and judgment in large inventory inspections, etc., to provide customers with solutions that meet their highest requirements and maximize performance and productivity

Soil heavy metal element detection

MIX5 can detect harmful heavy metal elements and content in soil, and can promptly and accurately feedback on-site test results, provide scientific research data support, and promote the harmless development of environmental soil and the scientific management concept of healthy soil

Precious metal content detection

MIX5 can complete the detection of precious metal mode elements, and staff can complete the analysis of precious metal elements and impurity elements. Importantly, the MIX5 handheld X-ray spectrometer is a non-destructive technology, and the value of the metal itself will not be lost during the detection process