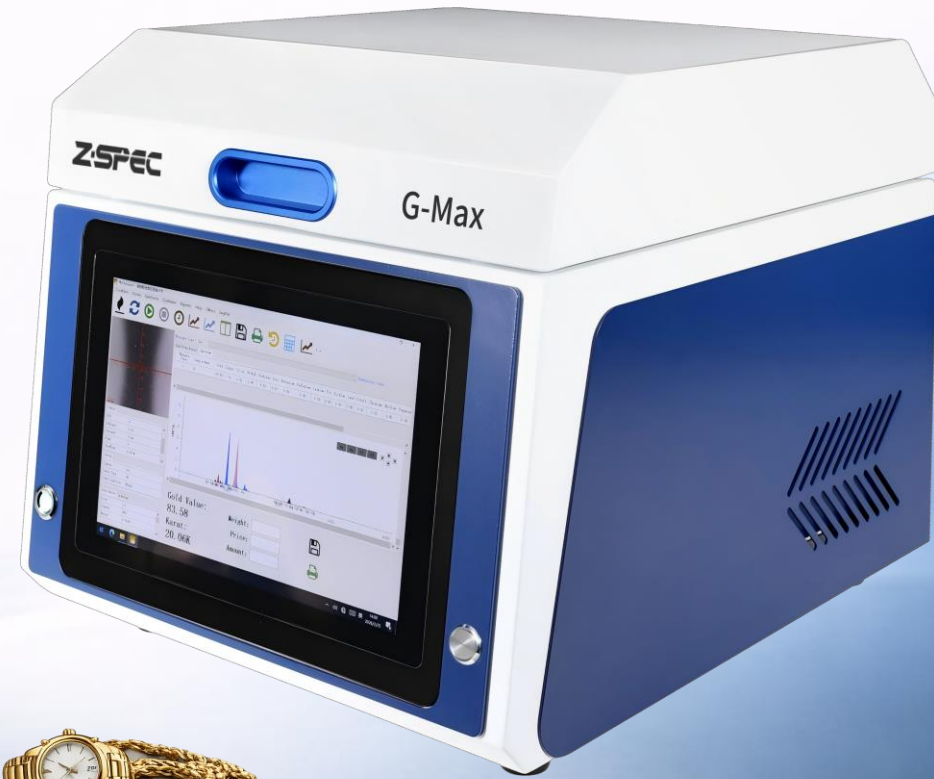


Z-SPEC

G-Max

A Compact and Reliable XRF Analyzer
Simply Accurate Precious Metal Analysis

Precision Made Simple.



Know Every Karat.



Rapid Precious Metal Analysis

The G-Max is a high-performance X-ray fluorescence (XRF) analyzer engineered for fast, accurate, and non-destructive precious metal analysis. Designed for professional environments, it delivers laboratory-grade performance in a compact, user-friendly system. The G-Max is ideal for:

- Jewelry retailers
- Pawnshops
- Assay offices
- Refineries
- Testing laboratories
- Precious metal manufacturers



Proven Repeatability

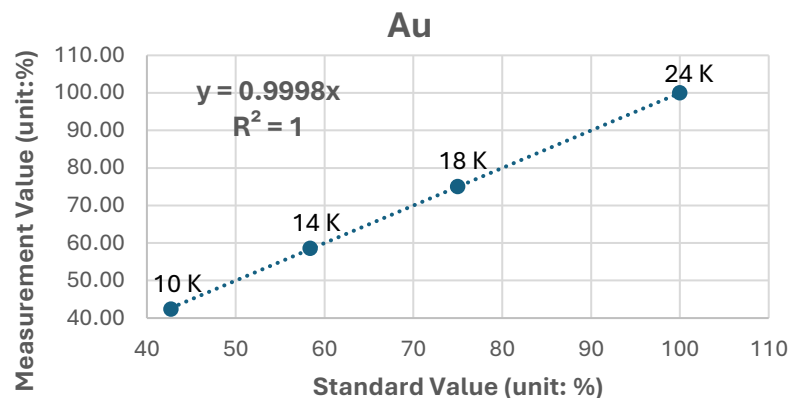
Multiple repeatability tests on 14 K and 18 K gold standards confirm extremely low standard deviation and excellent repeatability. This level of precision ensures dependable results for buying, selling, refining, and quality control.

14 K Gold Standard				
Sample	Au	Ag	Cu	Zn
1	58.47	6.99	27.34	7.19
2	58.52	6.95	27.26	7.25
3	58.51	6.95	27.29	7.23
4	58.47	6.95	27.34	7.22
5	58.47	6.94	27.36	7.22
6	58.49	6.93	27.37	7.19
7	58.5	6.92	27.38	7.19
Avg.	58.49	6.93	27.39	7.18
Standard	58.40	6.90	27.50	7.20
SD	0.021	0.022	0.044	0.024
RSD(%)	0.036	0.319	0.161	0.327



Professional Accuracy

The G-Max delivers exceptional analytical performance supported by outstanding linearity and repeatability across certified gold standards, as shown below



18 K Gold Standard				
Sample	Au	Ag	Cu	Zn
1	75.06	7.42	16.52	0.99
2	75.09	7.4	16.51	0.99
3	75.08	7.41	16.51	0.99
4	75.08	7.39	16.52	1.01
5	75.08	7.38	16.52	1.01
6	75.06	7.37	16.53	1.02
7	75.04	7.39	16.54	1.02
Avg.	75.07	7.39	16.52	1.00
Standard	75.02	7.43	16.57	0.936
SD	0.017	0.017	0.011	0.014
RSD(%)	0.023	0.232	0.065	1.391



Advanced Technology

- **Robust fundamental parameter calibration** with a single curve covering entire range
- **Silicon PIN Photodiode (Si-PIN)** for good resolution and excellent analytical accuracy
- **Integrated full-color camera** with focus position indicator for precise sample alignment
- **Large sample chamber and hood opening** for convenient handling of jewelry and metal samples
- **Large built-in touch screen display** for intuitive operation



G-Max Specifications

Measurement Time	30-60 seconds
Element Range	K (19) to U (92)
Data Output	Ethernet, USB, Internal Storage
I/O Ports	Ethernet 10/100, USB
Ac Power Supply	110-240 VAC ± 10%, 50-60 Hz
Operating Temperature	+41°F - 104°F (5°C - 40°C)
Operating Humidity	40%-80%
Weight	32.5kg
Dimensions	410 mm L x 350 mm W x 330 mm H



Z-Spec

Z-Spec is an innovative analytical instrument company specializing in the research, development, manufacturing, and service of advanced X-ray fluorescence (XRF) analyzers. We are dedicated to delivering reliable, accurate, and user-friendly solutions for elemental, precious metal, and heavy metal analysis across a wide range of industries.

Phone: 518-977-3876
Email: info@zspecinc.com

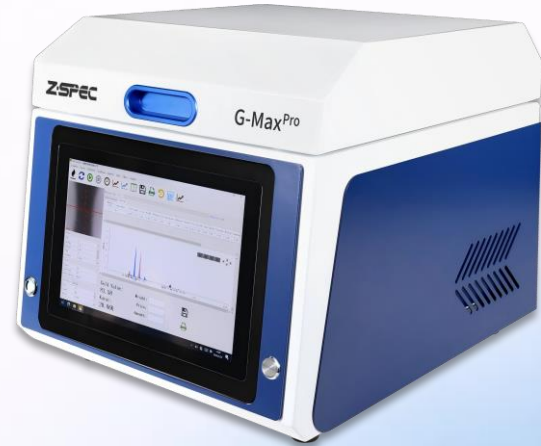
15 Tech Valley Drive Suite 110
East Greenbush, New York 12061 USA

Z-SPEC

RELATED PRODUCTS



Handheld XRF Analyzer
High-performance portable analysis



G-Max Analyzer
Cost-Effective Solution

Our Commitment

Built with precision. Backed by integrity. Delivered with care.

At Z-Spec, quality is our standard. We deliver exceptional precision, long-term stability, and dependable support — ensuring lasting value for every customer.

Like 24K gold, our integrity is pure and enduring.
Your trust is our most precious asset.