

## PRECIOUS METALS AND JEWELRY

Analysis, value determination and authenticity testing



## GOLDSCOPE SD® Series

### Tailor-made for analyzing gold and precious metals

With its GOLDSCOPE SD® series, Fischer offers a tailored solution for the non-destructive testing of gold and precious metals. The hardware and software of these robust X-ray fluorescence instruments is adapted to the unique requirements of the jewelry and gold sector. Your benefit: Unbeatable value for money! With the GOLDSCOPE you buy only what you really need to test gold, jewelry and precious metals.

All GOLDSCOPE instruments are equipped with the WinFTM® software and provide the same high precision that customers have come to expect from Fischer. The most relevant measurement tasks for testing gold and precious metals are already built into the software. Depending on your application, the GOLDSCOPE series offers just the right device: with silicon PIN or silicon drift detectors, exchangeable apertures and small or large measurement chambers.

### Features

- Compact and sturdy desktop instrument for non-destructive material analysis using X-ray fluorescence
- Hardware and software geared to the measurement tasks most relevant for gold and precious metals
- Comfortable measuring thanks to a spacious chamber and bottom-up measurement direction
- 4 models, suited to any application
- Compliant with EN 61010, DIN ISO 3497 and ASTM B 568

### Applications

- Purchase and sale of gold
- Analysis of precious metals, dental alloys
- Jewelry manufacture
- Certification: solutions for refineries, assay offices and hallmarking
- Measuring coating thickness on sterling silver, rhodium finishes or gold alloys

|                   | GOLDSCOPE SD® 510       | GOLDSCOPE SD® 515                               | GOLDSCOPE SD® 520                                 | GOLDSCOPE SD® 550  |
|-------------------|-------------------------|---|---|--|
| Application areas | Pawnshops, retail shops | Pawnshops, retail shops, small assaying offices | Assaying offices, hallmarking centers, refineries | Assaying offices, hallmarking centers, jewelry manufacturing |





#### Features

- Handy measurement instruments for non-destructive testing of gold bars and coins
- Simple to use, even for untrained personnel
- Adjustable penetration depth for different specimen geometries
- Eddy current measurement method according to ASTM E 1004
- Non-touch measurement, for example through protective foil packaging
- Conductivity measurement according to DIN 50994

#### Anwendungen

- Purchase and sale of gold
- Refineries
- Assay offices and hallmarking

#### Portable measurement instruments for the verification of gold

Always play it safe: verify the authenticity of gold coins and bars with conductivity meters from Fischer. These handy instruments are the fast, precise and – above all – non-destructive solution for checking the authenticity of various gold objects via conductivity testing.

The high price of gold has led to an explosion in the incidence of counterfeited bullion and coins. This includes hiding a core of tungsten, which has a similar weight to gold, at the center of the bar. However, this is where the portable Fischer devices show their true strength.

The SIGMASCOPE GOLD B was developed for testing gold bars – even ones up to 17 mm thick. But since the penetration depth can be adjusted, it is also possible to test thinner bars. This makes it fast and easy to reliably identify a counterfeit bullion.

The SIGMASCOPE GOLD C is optimized for verifying the authenticity of gold coins. Whether Krugerrands, ducats, coin gold or fine gold – with this easy-to-use device, you can quickly check the quality of all your coins.



# Global Sales Global Application Global Service



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