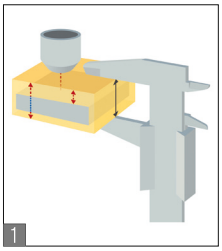
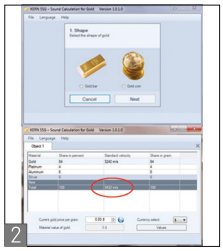
Gold tester SAUTER TD-GOLD




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Ultrasound measuring instrument for testing the authenticity of gold

04

Features

- You can use the TD-GOLD to determine whether gold bars and coins are genuine or whether they contain a core of a different material
- The instrument measures the thickness of gold bars and gold coins using ultrasound
- 1 Process: Ultrasound waves are directed onto the test object using a sensor. The waves penetrate the test object, are then reflected from a surface opposite the object and then picked up again by the sensor. The measurement determined by this process will be compared with the material thickness as measured by a traditional calliper gauge. On the basis of the measurement given, false cores (Figure: grey) such as for example, those made of tungsten, lead, etc. can be easily identified, as the ultrasound reacts differently, compared with pure gold
- 2 Using the SAUTER SSG software (included), you can determine whether the test item is genuine or contains a false core - and you can be very confident of the result
- Known additions in tested gold items - e. g. copper or silver - are compensated by the software
- In addition, the software determines the value of the gold item. The price of gold is polled on line continuously
- It is the only test process which measures right through the whole bar or the whole coin without interference and thereby guarantees the highest level of certainty
- **Base plate for adjustment** included
- 3 Delivered in a hard carrying case

Technical data

- Battery operation, batteries not standard (4 x 1.5 V AAA)
- Dimensions WxDxH 120x62x30 mm
- Net weight approx. 0,2 kg
- Permissible ambient temperature 15 °C / 35 °C

Accessories

- **Ultrasound contact gel**, approx. 70 ml, filling height depending on technical factors SAUTER ATB-US03

STANDARD



OPTION



Model SAUTER	Measuring range (steel) [Max] mm	Measuring range (gold) [Max] mm	Readout [d] mm		Option **ISO Calibr. Certificate** ISO KERN	
TD GOLD 40.	225	40	0,01		961-113	