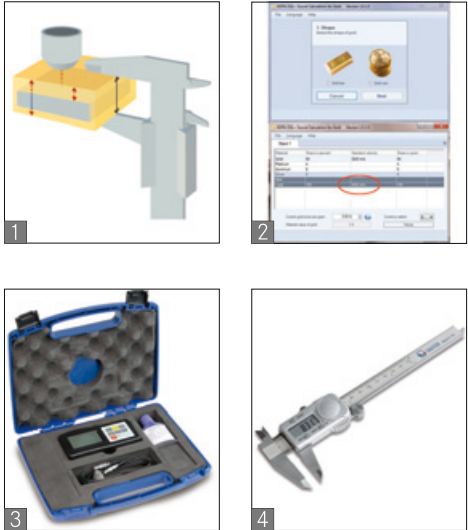




04

Ultrasound measuring instrument for testing the authenticity of gold

Features

- You can use the TD-GOLD to determine whether gold bars and coins are genuine or whether they contain a core of 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 of 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 KERN 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 calibration included
- **3** Delivered in a hard carrying case

Technical data

- Battery operation, batteries 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

- **4** **Calliper gauge** to determine the comparative material thickness , SAUTER LC 150, **€ 65,-**
- **Ultrasound contact gel**, 60 ml, SAUTER ATB-US03, **€ 30,-**

STANDARD

BATT

CAL.BLOCK

RS 232

SOFTWARE

1 DAY

2 YEARS WARRANTY

OPTION

ISO

+4 DAYS

Model	Measuring range	Readout	Price excl. of VAT ex works €	Option	
				ISO KERN	ISO Calibr. Certificate
SAUTER TD GOLD 40.	[Max] mm 22,5	[d] mm 0,01	450,-	961-113	€ 120,-