

FISCHERSCOPE® X-RAY XAN®

Quick-measure design:

The sample is placed and ready for measurement in just a few steps

Versatile: For trade, industry and laboratory applications

DPP+ digital pulse processor:

Even faster analysis results and better performance (not available with XAN® 215)



RoHS analysis: Reliable determination of hazardous substances

Commissioning:

Extremely fast and simple



Noble metal inspection

The system for a wide range of applications

The focus of the FISCHERSCOPE® X-RAY XAN® family is on fast and precise material analysis of precious metals and gold alloys. In addition, these instruments are used for the determination of heavy metal trace elements and other hazardous substances within the scope of the RoHS directive. This is particularly important for electronics and other manufacturing industries.

The XAN® 215 with a powerful PIN detector is suitable for analyzing simple gold alloys that contain only a few other elements such as silver and copper. For more complex alloys, instruments with a silicon drift detector (e.g. XAN® 220) are a better choice. With their much higher resolution, they can distinguish between gold and platinum, for example in the analysis of dental alloys and melted precious metal alloys.

RoHS screening also requires higher resolutions as well as different primary filters. Ideal for this: XAN® 250 with fixed sample support or the XAN® 252 with manually operated XY stage.



Adjusting the sample



Video image displays the measuring spot exactly

Features

- Universal instrument for metal and precious metal analysis, coating thickness measurement on simple shaped samples and RoHS screening
- XAN form factor with measuring bottom up
- Microfocus tube with tungsten anode
- 4-fold changeable apertures (XAN® 250, 252)
- 6-fold changeable filter (XAN® 250, 252)
- Various semiconductor detectors ensure very good detection accuracy and high resolution: silicon PIN and silicon drift detector
- DPP+ digital pulse processor for higher count rates and significantly reduced measuring times
- Different measuring table options: fixed or manually operable
- Up to 17 cm sample height possible (XAN® 222, 252)
- Fully protected instrument with type approval according to current radiation protection legislation (XAN® 215, 220, 250)