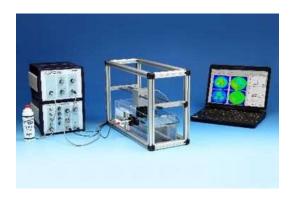


Ultrasonic computed tomography

Article no: P5161200



Principle

This experiment explains the fundamental principles of image formation with a CT algorithm. A test object is used to create an attenuation tomogram and a time-of-flight tomogram followed by a discussion of the respective differences.

Benefits

- · Ideal system for education: affordable compared to industrial system to demonstrate ultrasound-CT in a very comprehensible way
- · With the same system mechanical scanning of an object can be performed, e.g. to create a B-scan image

Tasks

- 1. Creation of several attenuation and time-of-flight tomograms
- 2. Variation of the device parameters
- 3. Discussion of the differences

Learning objectives

- Ultrasonic echography (A-scan)
- Tomography
- Resolution

Scope of delivery

Basic Set Ultrasonic Echography II 13924-99 1
Extension Set: CT Scanner II, for 13924-99 13925-99 1



