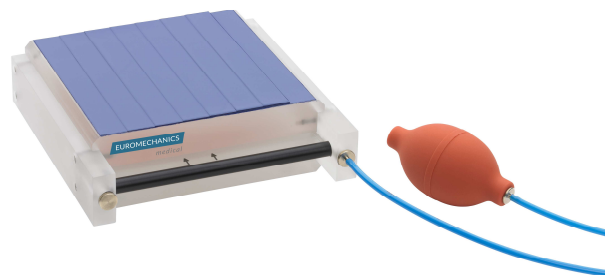


## Quality Assurance for DSA

### Test tool for Digital Subtraction Angiography: DESI

#### Key features:

- Specifically developed for QA within DSA in accordance with IEC 61223-3-3 and German Standard DIN 6868-4, 2007.
- Suitable for quality checks of the major DSA-specific key parameters: Artefacts, Dynamic range, Logarithmic errors and Contrast media sensitivity
- Test tool consisting of an acrylic glass attenuation body , containing:
  - Dynamic Cu step wedge, 7 steps ascending , thicknesses 0.20, 0.40, 0.60, 0.80, 1.00, 1.20, 1.40 mm perpendicular arrangement to the longitudinal direction of the insert
  - Logarithm verification possible by one additional, increased Cu step from 0.20 / 1.40 mm
  - Pneumatically movable insert with four Al-strips (purity Al  $\geq$  99.5 %, length 150 mm, width 5 mm) with varying thicknesses (0.05, 0.10, 0.20 and 0.40 mm) for blood vessel simulation during the exposure series. Pneumatic hose length: 6 m



#### DESI test tool, facts / delivery scope:

- Test tool DESI incl. pneumatic hose and rubber ball
- Weight 1.2 kg – dimensions 150 x 150 x 57 mm
- Order number: 10009

#### Required / recommended accessories:

- Image Quality Phantom FLURO – Order number: 10006
- 25 mm Aluminum pre-attenuator ALMA - Order number: 10002 (required as attenuation body for FLURO)

#### and, recommended for evaluation of the perpendicular beam together with phantom FLURO:

- Beam alignment test tool BENO – Order number: 10011

#### Relevant standards/regulations:

IEC 61223-3-3 and German Standard DIN 6868-4, 2007