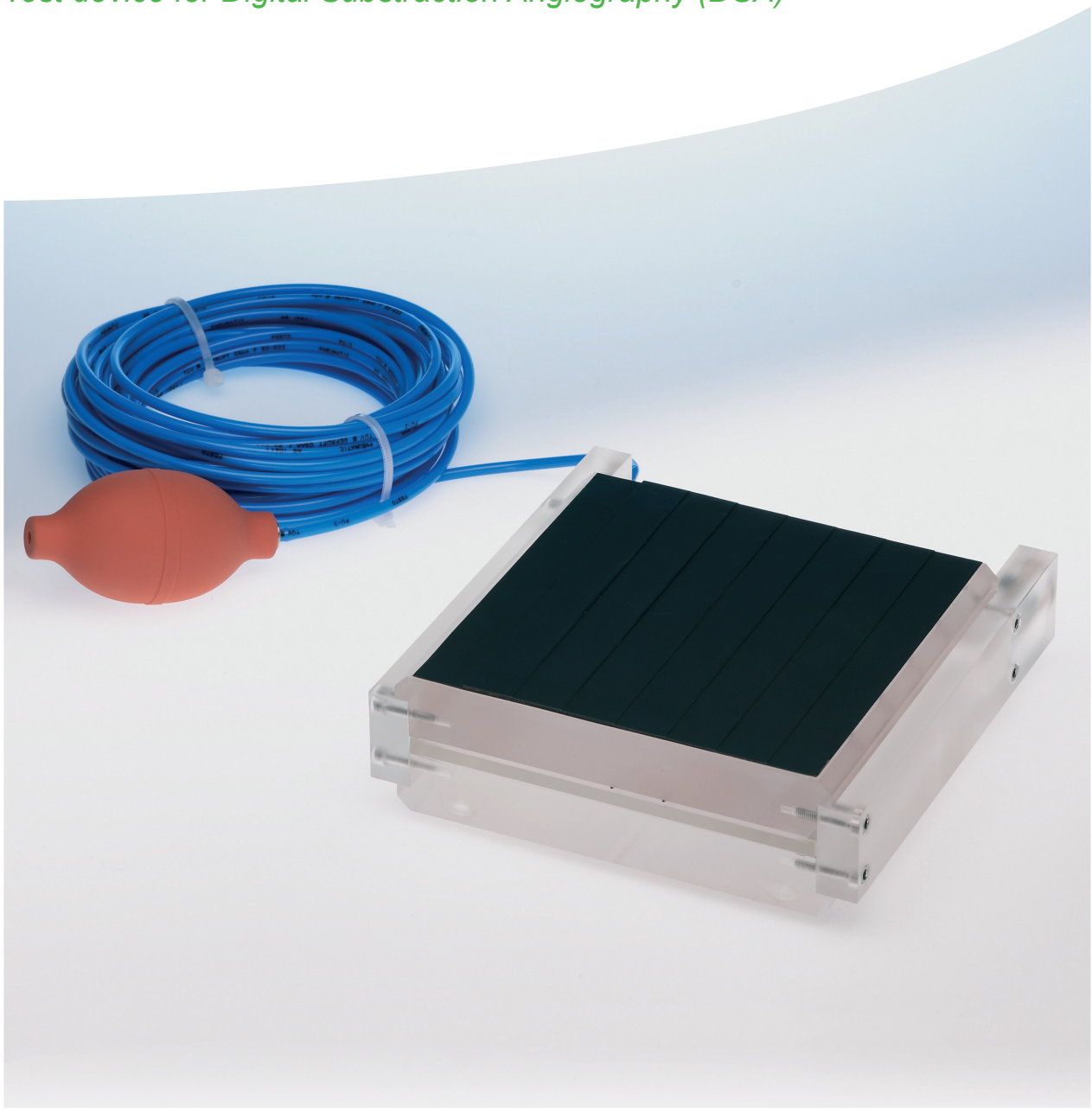
Quality Assurance in Radiodiagnostics

RöVi-8 |

Test device for Digital Substraction Angiography (DSA)



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Test device for Digital Substraction Angiography (DSA)

For your X-ray equipment with digital subtractive angiography (DSA) functions a check of the fluoroscopic part is not sufficient: special quality checks of the most important DSA-typical parameters have to be done.
These additional tests according to international standards can be made quickly and without problems with help of the test device **RöVi-8**.

For vascular simulation during the scan series the insert slider will be moved pneumatically. Results of the test will be documented in a protocol.

The test device RöVi-8 is made of the following components according to the IEC and DIN:

- an attenuation body made of acrylic glass (150 x 150 x 57 mm)
- a dynamic step wedge: seven linear steps of copper from 0.2 mm to 1.4 mm thickness arranged perpedicular to the longitudinal direction of the insert. the dynamic wedge has an additional step from 1.4 mm to 0.2 mm to perform compensation test
- an insert (vascular simulation pattern): PMMA, to be shifted 10 mm in transverse direction, with four strips of aluminium of a purity of at least 99.5 % (designated by Al 99.5 according to ISO 2092) simulating vascular densities. The body of an insert has a thickness between 9.5 mm and 10 mm, a length of 150 mm and a width of 13 mm more than its space in the body. It carries four strips of Al 99.5 with a space between the strips of 15 mm. The strips are 150 mm long and 5mm wide, with thicknesses of 0.05 mm, 0.1 mm, 0.2 mm and 0.4 mm.

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Technical details are subject to change without notice.