

SLA48 2D-Air Scanner Gantry Mount Device



Gantry-mounted motorized moving mechanism for dose distribution measurement using the LA48 array

Features

- ▶ Accommodates the LA48 linear array for the verifying of dose distribution and locating of radiation fields
- ▶ Mounted on the LINAC gantry for motorized 2D data recording under arbitrary gantry angles
- ▶ Includes up to 100 mm acrylic build-up material for measurements at different depths

The SLA48 air scanner makes it possible to mount the LA48 linear array firmly on the gantry of a LINAC. The accelerator type has to be specified. The device is used for one-dimensional measurements of inplane/crossplane profiles and of diagonals as well as for two-dimensional data recording of complete radiation fields in acrylic phantom material of up to 100 mm thickness. The SLA48 device is suitable for LINAC acceptance testing of open and dynamic fields. It is also used for routine quality-control measurements. Photon beams as well as electron beams can be evaluated, since the device does not interfere with electron cones. The source to chamber distance is adjustable. The maximum field size is 400 mm x 400 mm, and a spatial resolution of 1 mm can be realized by shifting the measuring device by PC control. Crosshairs at the acrylic phantom and at the array enable the user to verify the location of the measured dose distribution with respect to the LASER alignment. For 2D measurements, two precision stepper motors move the chamber array, which is controlled by the measuring program. The LA48 array, the TBA electronics and MEPHYSTO mc^2 software are required to operate the SLA48 device.

Ordering Information

T41015 SLA48 Air scanner for gantry mount

- ▶ LA48 Linear Chamber Array *page 47*
- ▶ MULTIDOS Multi Channel Dosemeter *page 32*
- ▶ MEPHYSTO mc^2 Software *page 49*