

Technical specifications

Application:	fast measurement of depth dose distribution in particle
Positioning:	nozzle mount (holder optional) or patient table
Range accuracy:	± 0.5 mm
Measuring quantity:	pristine and spread-out bragg peak (SOBP)
Energy range:	33 cm WET
Dose rate range:	0.5 Gy/min to 15 Gy/min
Signal to noise ratio:	better than 0.2 % with 1 cGy integrated dose
Dose linearity:	tested to be better than 0.5 % from 10 cGy up to 5 Gy integral dose and better than 1 % from 0.5 Gy/min up to 15 Gy/min dose rate
Dimensions:	43.9 cm (L) x 19.5 cm (H) x 17.5 cm (W)
Weight:	approx. 10 kg
Power supply:	100-240 V, 50/60 Hz, power cord with US or German power plug included
Interface to PC:	point to point or network Ethernet connection
Collecting electrode:	2.5 cm in diameter
Spatial resolution:	2 mm detector spacing (native resolution)
Chamber type:	vented ionization chambers
Typical sensitivity:	14.76 nC/Gy
Electrometer:	4 TERA ASICs (each contains 64 independent electrometers)
Channels:	180
Charge resolution:	0.1 pC/count
Sampling time:	min. 10 ms
Readout:	parallel and synchronous with no dead time

FDA 510k pending
Patent pending

Technical data is subject to change without prior notice.

