



PENCIL IONIZATION CHAMBERS MEASUREMENTS IN COMPUTED TOMOGRAPHY

General

The cylindric pencil ionization chambers with a homogenous response over 100 mm are designed for CTDI (Computed Tomography Dose Index) and DLP (Dose Length Product) measurements in free air or in phantoms. Available diameters are 10 mm and 12 mm.



	10 mm Chamber	12 mm Chamber
Connector type	LEMO socket - ERN.0S.650.CTA	
Active Volume [cc]	6.3	9.4
Active Length [mm]	100	
Diameter [mm]	10	12
Leakage Current [fA]	$\leq \pm 50$	
Radiation Quality [kV]	70 - 150	
Sensitivity [nC/(Gycm)]	16	22
Energy Dependence [%]	± 3	

