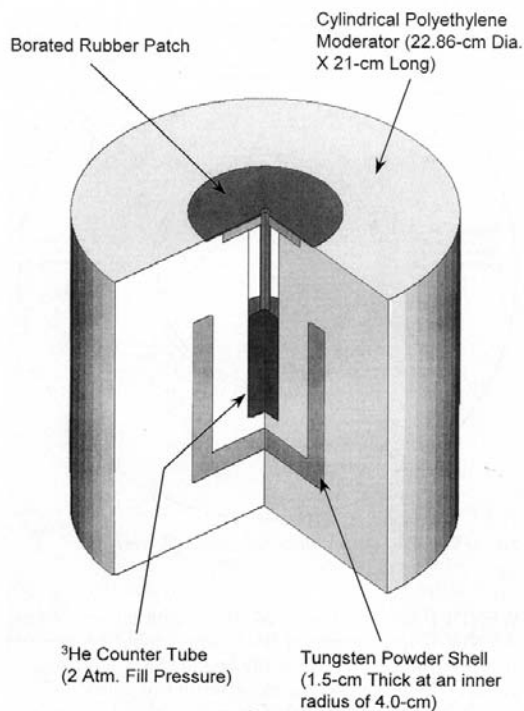


The FHT 762 is a neutron dose rate detector featuring a high sensitivity and an excellent energy- and angular response

FHT 762 Wendi-2

Wide Energy Neutron Detector

- Thermal to 5 GeV energy range according to $H^*(10)$, ICRP 74
- High sensitivity due to large He-3 tube
- Excellent gamma rejection
- Fits to FHT 6020 area monitor and FH 40 G survey meter

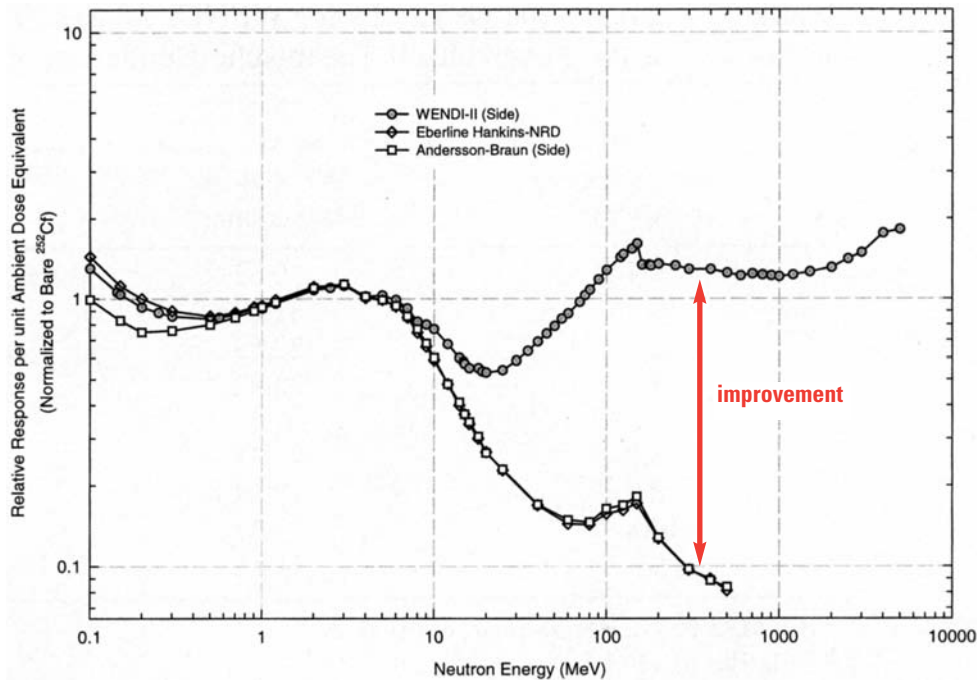


Reference: Olsner et al, Health Physics, 79(2): 170ff, 2000



FHT 762 Wendi-2 with FH 40 G survey meter

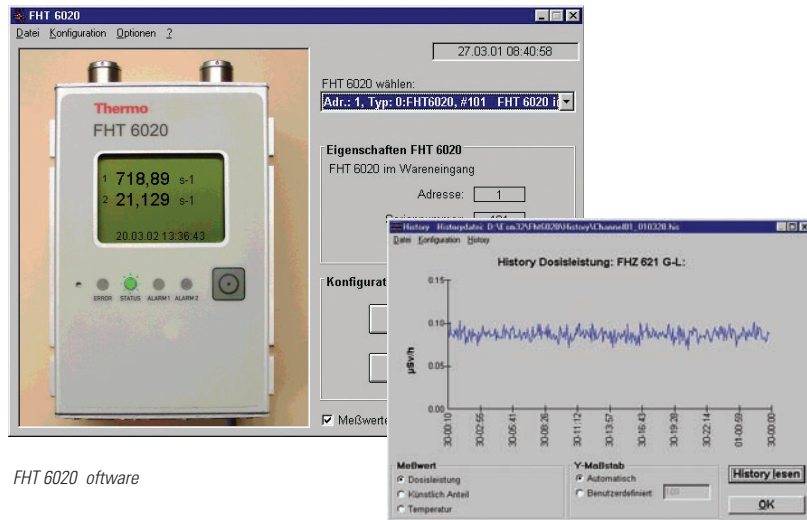
The Wide Range Neutron Detector FHT 762 combines excellent energy response in the "normal" energy range up to 15 MeV with a close match to the $H^*(10)$ behaviour up to 5 GeV. As well excellent angular response and gamma rejection data are provided by the WENDI-2-design which was originally developed at Los Alamos. No significant spill-over needs to be considered for gamma dose rates up to 1 Sv/h.



Reference: Olsher et al, Health Physics, 79(2): 170ff, 2000



FHT 6020 area monitor



FHT 6020 software

Technical Specification

FHT 762 Wendi-2

Measuring range	0.01 µSv/h to 100 mSv/h Cf-252	Gamma-sensitivity	1 to 5 µSv/h at 100 mSv/h, 662 keV
Sensitivity	0.84 cps/(µSv/h) Cf-252	Ambient temperature	-30 to +50 °C
Energy range	25 meV to 5 GeV according to ICRP 74 (1996)	Humidity	up to 90 % non condensing
Angular dependence	±20 % all directions	Atmospheric pressure	500 to 1500 hPa
Linearity	±20 %	Height	320 mm (12.6")
Diameter	230 mm (9")	Weight	13.5 kg (29.8 lb)

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USA:
 27 Forge Parkway
 Franklin MA 02038
 USA
 +1 (800) 274-4212
 +1 (508) 520 2815 fax

UK:
 Bath Road
 Beenham, Reading RG7 5PR
 England
 +44 (0) 118 971 2121
 +44 (0) 118 971 2835 fax

Germany/International:
 Frauenaucher Straße 96
 D 91056 Erlangen
 Germany
 +49 (0) 9131 909-0
 +49 (0) 9131 909-205 fax