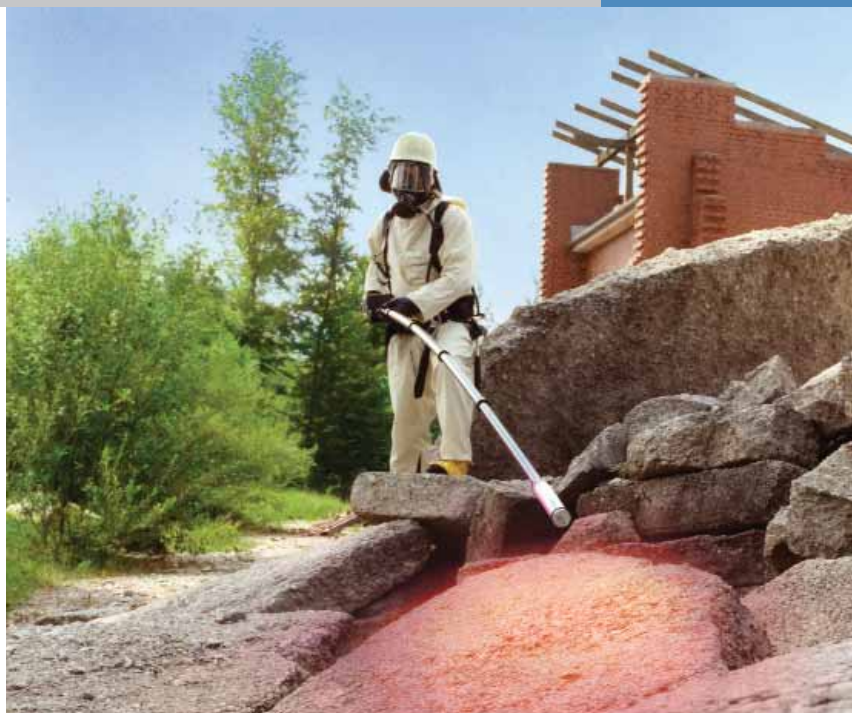


Measurement of dose and dose rate with a secure distance.

FH 40 TG

Teleprobe

- Simultaneous operator dose and doserate measurement
- Modular design allows easy exchange of components
- Teleskop reinforced, isolating fiberglass material, fully watertight
- Extendible up to 4 meters (approx. 13 ft.)
- 100 nSv/h - 10 Sv/h (10 μ R/h - 1000 R/h)
- Interchangeable probes for different measurement tasks
- "Smart probe" with individual calibration



Application range:

Nuclear power plants
Nuclear industry
Recycling industry
Emergency response
Fire brigades
Nuclear medicine
Research

Security

- The Teleprobe FH 40 TG is a valuable tool for all situations where an extended range is required, or high radiation may occur.
- It acts as an external detector to the FH 40 G dose and dose rate meter. A lightweight but very rugged telescope extends up to 4m (approx. 13 ft).
- The FH 40 TG System allows the simultaneous dose and dose rate measurement at the operator end while measuring the dose rate at the teleprobe end - 4 meters (13') away. In normal use the measured values of the teleprobe detector is displayed, but with the push of a button the operator can check the dose rate where he is actually standing.

Alarms

For both detectors independent alarm levels may be set - this is especially useful during search applications. The acoustic alarm is activated upon reaching either alarm level. Thus the dose of the operator is also monitored.

Flexibility

- The standard detector of the teleprobe, FHZ 612, contains two energy compensated Geiger-Müller tubes covering a range from normal background up to 10 Sv/h (1000 R/h).
- For special applications, the detector head can be exchanged with a 1" x 1"-Nal(Tl) detector for high gamma sensitive or special neutron detectors. There is also a beta-sensitive probe available.
- And, of course, the FH 40 G Survey Meter itself can be used with a number of different external probes.

Optional

- Aluminium case for Teleprobe FH 40 TG und Survey Meter FH 40 G. Dimensions: Approx. 950 x 160 x 150 mm (38" x 6" x 6").
- FH 40 G-X Display-Unit (optional): FH 40 G without internal detector.



Detector options

FHZ 612	wide range γ , Hx	2 GM-tubes	0,1 μ Sv/h - 10 Sv/h	> 82 keV	2 cps/ μ Sv/h (662keV)	0,15 kg (0.3 lb)*
FHZ 612-10	wide range γ , H*(10)	2 GM-tubes	0,5 μ Sv/h - 10 Sv/h	> 60 keV	"	0,15 kg (0.3 lb)
FHZ 612-B	wide range γ , Hx	2 GM-tubes	0,1 μ Sv/h - 10 Sv/h	> 82 keV	"	0,15 kg (0.3 lb)
FHZ 632 L	medium range γ , Hx	Prop. tubes	0,1 μ Sv/h - 0,1 Sv/h	> 36 keV	"	0,1 kg (0.2 lb)
FHZ 632 L-10	medium range γ , H*(10)	Prop. tubes	0,1 μ Sv/h - 0,1 Sv/h	> 30 keV	"	0,1 kg (0.2 lb)
FHZ 512	sensitive γ -sniffer	1"x1"- Nal	1 - 100 000 cps		300 cps/ μ Sv/h (662keV)	0,5 kg (1.1 lb)**
FHT 752 S	sensitive neutron sniffer	BF3-tube	1 - 100 000 cps		2 cps / μ Sv/h (Cf-252)	0,8 kg (1.8 lb)**
FHT 752 SH	sensitive neutron sniffer	He-3-tube	1 - 100 000 cps		6 cps / μ Sv/h (Cf-252)	0,8 kg (1.8 lb)**

* Standard in FH 40 TG

** A heavy duty, low-cost telescope version is alternatively available which fits all above mentioned detector options (weight: 1,5 kg (3.3 lb); length: 1,6 - 3 m (5.3 to 9.8') ; material: aluminium).



Technical Data

FH 40 TG

Teleprobe FH 40 TG with standard detector FHZ 612

Measuring range:	0,5 μ Sv/h - 10 Sv/h
Detectors:	Two energy compensated GM tubes with automatic switch-over
Telescope:	5 segments, reinforced fibre glass
Weight:	2,6 kg (5.7 lb) telescope with detector 3,0 kg (6.6 lb) complete with FH 40 G
Length:	Extended length: > 4 m (13')

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