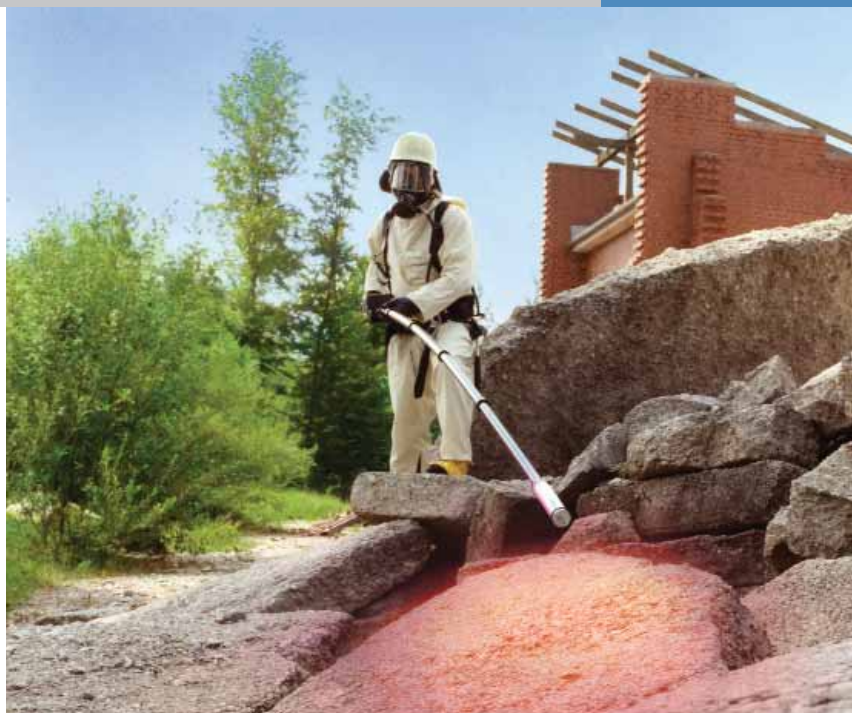


Measurement of dose and dose rate with a secure distance.

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 TeleprobeFH 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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