

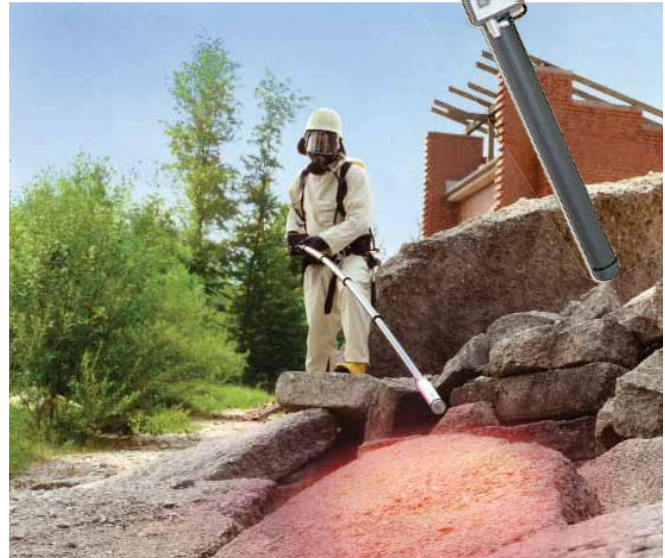
# FH 40 TG

## Teleprobe

*detection  
monitoring  
radiation*

### FEATURES

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



### APPLICATIONS

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

# FH 40 TG

## 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 approx. 13 ft (4m).
- 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 - 13 ft (4m) 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 1000 R/h (10 Sv/h).
- For special applications, the detector head can be exchanged with a 1" x 1"-NaI(Tl) detector for high gamma sensitive or special neutron detectors. There is also a beta-sensitive probe available.
- The FH 40 G Survey Meter itself can be used with a number of different external probes.

## Optional

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



## Detector Options

<b>FHZ 612</b>	wide range $\gamma$ , Hx	2 GM-tubes	0.1 $\mu$ Sv/h - 10 Sv/h	> 82 keV	2 cps/ $\mu$ Sv/h (662keV)	0.15 kg (0.3 lb)*
<b>FHZ 612-10</b>	wide range $\gamma$ , H*(10)	2 GM-tubes	0.5 $\mu$ Sv/h - 10 Sv/h	> 60 keV	"	0.15 kg (0.3 lb)
<b>FHZ 612-B</b>	wide range $\gamma$ , Hx	2 GM-tubes	0.1 $\mu$ Sv/h - 10 Sv/h	> 82 keV	"	0.15 kg (0.3 lb)
<b>FHZ 632 L</b>	medium range $\gamma$ , Hx	Prop. tubes	0.1 $\mu$ Sv/h - 0.1 Sv/h	> 36 keV	"	0.1 kg (0.2 lb)
<b>FHZ 632 L-10</b>	medium range $\gamma$ , H*(10)	Prop. tubes	0.1 $\mu$ Sv/h - 0.1 Sv/h	> 30 keV	"	0.1 kg (0.2 lb)
<b>FHZ 512</b>	sensitive $\gamma$ -sniffer	1"x1"- NaI	1 - 100 000 cps		300 cps/ $\mu$ Sv/h (662keV)	0.5 kg (1.1 lb)**
<b>FHT 752 S</b>	sensitive neutron sniffer	BF3-tube	1 - 100 000 cps		2 cps / $\mu$ Sv/h (Cf-252)	0.8 kg (1.8 lb)**
<b>FHT 752 SH</b>	sensitive neutron sniffer	He-3-tube	1 - 100 000 cps		6 cps / $\mu$ 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: 3.3 lb (1.5 kg); Length: 5.3 to 9.8' (1.6 - 3 m); Material: aluminum

## FH 40 TG

### Teleprobe FH 40 TG with standard detector FHZ 612

Measuring range:	0,5 $\mu$ Sv/h - 10 Sv/h
Detectors:	Two energy compensated GM tubes with automatic switch-over
Telescope:	5 segments, reinforced fiberglass
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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