The FHT 6020 display, with alarm and communication, is an industry-proven area monitor manufactured by Thermo Fisher Scientific. It has audible and visible alarms for maximum protection against the threat of radiation.

FHT 6020
Display and alarm unit

- Local display of measurements with up to 16 intelligent dose rate probes or amplifiers

- Local display of measurements with up to 2 probes of the FH40G probe range

- Measurement memory for probes of the FH40G range

- Local audible and visible alarms

- Connection to a local PC via RS-232 interface

- Incorporation in measuring networks via RS 485 inter face

- Analog input/output (option)

- Digital bit input/output for monitoring of conditions and alarms

- Robust and compact design

- Various options for power supply - DC or AC, internal or external

Configuration software FHT 6020.exe

In stand-alone operation, the FHT 6020 can be used for the local display of measurements with intelligent probes, as well as with probes of the FH40G range. A "mixed operation" with intelligent probes and probes of the FH40G range is possible as well.

Built-in solid-state relays allow control of local alarm devices or locks. Digital inputs are provided to monitor conditions like on/off, open/closed, occupied/free, and more.

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The FHT 6020 can be integrated into networks via the RS 485 bus system, allowing cable lengths of up to 1000 m (3280'). It is equipped with a flash EPROM storing the firmware, allowing updates of the basic version, as well as customer-specific programs, to be loaded on-site at a later time.

It can be easily and conveniently configured with a PC via serial interface, and through the configuration program FHT 6020.exe. This 32-bit Windows™ program, in conjunction with the optional equipment of the FHT 6020, offers an almost unlimited freedom for the user to tailor the FHT 6020 to a specific measuring task.

In addition to the alarm unit FHT 6025, an optional dot matrix printer DPN-233 (40 chars.) is available.

Technical specifications

Housing:	Aluminum
Operational area:	Indoor
Type of protection:	IP54
Operation temperature:	0 °C to +50 °C (32 °F to 122 °F)
Storage temperature:	-20 °C to +70 °C (-4 °F to 158 °F)
Size:	130 mm x 182 mm x 66 mm (5.1" x 7.2" x 2.6")
Weight:	1.3 kg (2.8 lb)

System FH 40 G probes - *up to 2 probes can be connected*

FHZ 302, FHZ 312, FHZ 612, FHZ 632 L	Gamma dose rate probes
FHT 752, FHT 762	Neutron dose rate probes
FHT 752 SH, FHT 752 EH	Neutron detectors
FHZ 512, FHZ 502, FHZ 503, FHZ 512 A	Nal-scintillation detectors
FHZ 732, FHZ 742, FHZ 732 GM	Beta-contamination probe
FHZ 672 E, FHZ 672 E-10	NBR-detectors
FHT 192	Ionization chamber
FHT 642 I	Amplifier for ionisation chambers
FHT 642 P	Amplifier for proportional counters
FHT 642 S	Amplifier for scintillation counters

Probes with RS 485 interface - *up to 16 probes can be connected*

FHT 191 N	Ionization chamber
FHZ 621 G-L4, FHZ 621 G-L4-10	Probe for dose rate measurement
FHT 641 D4	Amplifier for proportional counter tube
FHT 671 S4, FHT 671 Y4	Amplifier for plastic scintillators

For more technical information and details please ask for technical specification ZT-091.

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