

The FHT 6020 display, with alarm and communication, is an industry-proven area monitor manufactured by Thermo Electron Corporation. 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 interface
- Analog input/output
- 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



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.



Configuration software FHT 6020.exe

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
Ambient temperature:	
Operation	0 °C to +50 °C (32 °F to 122 °F)
Storage	-20 °C to +70 °C (-4 °F to 158 °F)

### Connectable probes

FHZ 302, FHZ 312, FH 40 TG, FHZ 612, FHZ 632 L	Local dose rate probes
FHT 752, FHT 752 H	Neutron dose rate probes
FHT 752 S, 752 SH	Neutron detectors
FHZ 512, FHZ 502, FHZ 502 P, FHZ 503	Nal-scintillation detectors
FHZ 732, FHZ 742	Contamination probe
FHZ 672 E, FHZ 672 E-10	NBR-detector
FHT 191 N	Ionization chamber
FHZ 621 G-L4	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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