Thermo Scientific FHT6020

Area Monitor

The FHT6020 area monitor with optional FHT6025 alarm module offers maximum protection against the threat of radiation.

Features

- 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
- Optional FHT6025 local audible and visible alarm module
- Connection to a local PC via RS-232 interface
- Incorporation in measuring networks via RS 485 interface
- 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
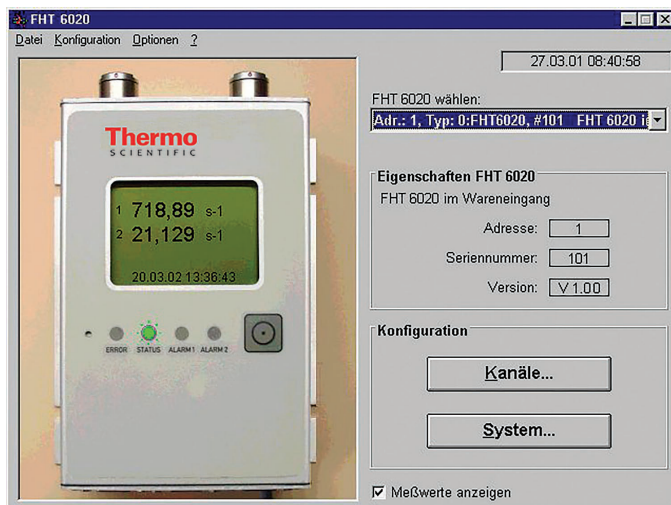
Configuration software FHT6020.exe

In stand-alone operation, the FHT6020 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.

The FHT6020 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 Windows™ program, in conjunction with the optional equipment of the FHT6020, offers an almost unlimited freedom for the user to tailor the FHT6020 to a specific measuring task.

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FHT6020 Area Monitor

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*	
FHZ302, FHZ312, FHZ612, FHZ632L	Gamma dose rate probes
FHT752, FHT762	Neutron dose rate probes
FHT752SH, FHT752EH	Neutron detectors
FHZ512, FHZ502, FHZ503, FHZ512A	NaI-scintillation detectors
FHZ672E, FHZ672E-10	NBR-detectors
FHT192	Ionization chamber
FHT642I	Amplifier for ionisation chambers
FHT642P	Amplifier for proportional counters
FHT642S	Amplifier for scintillation counters

Probes with RS 485 interface - *up to 16 probes can be connected*	
FHT191N	Ionization chamber
FHZ621G-L4, FHZ621G-L4-10	Probe for dose rate measurement
FHT641D4	Amplifier for proportional counter tube
FHT671S4, FHT671Y4	Amplifier for plastic scintillators

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

Find out more at **thermofisher.com/nuclearpower**

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