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 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

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

<table>
<thead>
<tr>
<th>Housing</th>
<th>Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operational area</td>
<td>Indoor</td>
</tr>
<tr>
<td>Type of protection</td>
<td>IP54</td>
</tr>
<tr>
<td>Operation temperature</td>
<td>0 °C to +50 °C, 32 °F to 122 °F</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-20 °C to +70 °C, -4 °F to 158 °F</td>
</tr>
<tr>
<td>Size</td>
<td>130 mm x 182 mm x 66 mm (5.1” x 7.2” x 2.6”)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.3 kg (2.8 lb)</td>
</tr>
</tbody>
</table>

### 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
- **FHT 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.**