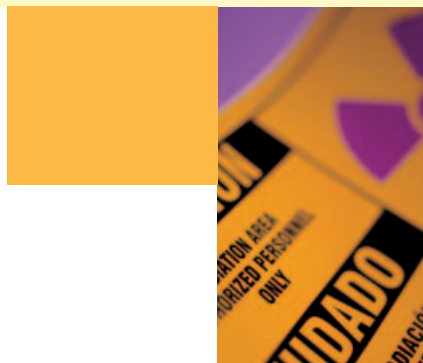


The Thermo Scientific FH40 based K-O kit offers the complete suite of radiation detectors to monitor and identify any type of radiation or radioactive material in preventative scenarios as well as emergency situations.

Thermo Scientific FH40 K-O Kit

Emergency Radiation Detection Kits



Features

- Rugged construction
- Easy to use
- Complete radiation response solution
- Monitors Alpha, Beta, Gamma and Neutron radiation
- Identifies and classifies radioactive isotopes
- System utilizes plug-and-play smart probes for doserate and contamination surveys
- Networkable via wireless module

The high performance FH40GL multi-purpose survey/ratemeter is the heart of the system. It has an internal proportional detector to measure doserate in a stand-alone mode, or it can be connected with the included range of smart plug-and-play external detectors. The FH40GL can simultaneously work with any of these detectors and continue monitoring the area gamma doserate. The external detectors in the K-O kit are for monitoring Neutrons, Alpha and Beta contamination and Gamma radiation. For the most challenging search-and-find tasks without excessive false alarms,

a high-sensitivity, large-volume NBR detector is also included, along with an extending teleprobe for sensitive or high level measurements at a distance. To identify the isotope and assist in defining form of response required to a radiation event, an identiFINDER®* handheld Radioactive Isotope Identifier (RIID), a FLIR System, Inc. product, is included. The identiFINDER can be ordered with a LaBr detector for improved resolution and identification capabilities.

This complete kit comes inside durable weatherproof cases with all the required chargers, cables and software.

Specifications

The Thermo Scientific FH40 K-O Kit includes the same items without the IdF-NHG+ or IdF LaBr, for those organizations who do not need, or already have Radioisotope Identifiers.

Other probe options are available and specific probes can be added or removed as required; however, the specified probes have been selected to give the emergency responder the best performance for the likely range of radiation emergency scenarios.

The Teleprobe (telescoping adapter) can be used with many of the included probes. The adapter extends to 4 meters (13 feet), enabling the user of the probe to get close to any difficult-to-reach area, such as under a vehicle, to perform the most sensitive search and survey possible. It can also be used in a high dose rate area to measure the radiation source closely, while keeping the operator at a safe distance. The FH40GL will display to the operator both the higher probe dose rate at the end of the pole close to the source and the lower safer dose rate where the user stands. Live data can be exported from the FH40 via an optional wireless module.

This may be networked using the Thermo Scientific ViewPoint System or the LifeLine System from Safe Environment Engineering.

Thermo Scientific Teleprobe FH40 TG



Thermo Scientific FH40 K-O Kit

The Thermo Scientific FH40 K-O Kit includes the following items

2 x 4254004 - FH40G-L	Multi-Purpose stand-alone Surveymeter and Ratemeter used with plug-and-play probes. Doserate range of internal detector 1 uR/h to 100 R/h. Energy range 36 KeV to 1.3 MeV. All readouts on the FH40 automatically set to the units and range defined by the attached probe and all calibration parameters are set automatically
2 X 425400045	Spiral cable for plug and play probes: 0.3 m (11.8 in), stretches to 1.2 m (47.25 in)
4254036 - FHZ732	Alpha/Beta 15 cm ² Pancake Geiger Probe for detecting radioactive contamination. Includes sturdy protective nylon bag
4254130 - FHZ382	Alpha/ beta contamination scintillation probe, 100 cm ² , additional LED indication of detected alpha radiation at the probe
4254066 - FHZ672E-10	High sensitivity NBR (Natural Background Rejection) search probe. For sensitive detection of artificial sources in fluctuating natural radiation fields. Simple red-green alarm system assists with effective search procedures. Energy range 48 keV to 1.3 MeV to H*10
4254149 - FHT752SH-2	High sensitivity neutron detection probe, fits in Teleprobe
4254028 - FHZ512A	High sensitivity 3.81 cm x 3.81 cm (1.5 in x 1.5 in) NaI Gamma probe, fits in Teleprobe
4254051 - FH40TG	Teleprobe (telescoping adapter) for FH40 plug-and-play probes; individually calibrated including dose rate detector FHZ612 (4254052) and protective cap (425405114)
425405120	Rugged aluminum case for FH40TG teleprobe and plug-and-play probes, approx. 90 x 16 x 15 cm (35.4 x 6.3 x 5.9 in)
425405116	Protective cap for FHZ 512/512A
425405117	Protective cap for FHT 752 S/SH; Recommended for use with telescopic pole.
4254026	Data interface cable (USB) for FH40G or RadEye desktop holder
A425409901	FH40G Configuration and data software.
A425409903	FH40G Calibration Software
FH40GOPT8	FH40 and probe heavy-duty canvas carry case
IDF-NHG	IdentiFINDER Handheld Isotope Identifier MCA with He3 Neutron Detector. 3.56 cm x 5.08 cm (1.4 in x 2.0 in) NaI detector, high range GM, holster, battery charger, data interface cables, data transfer software, and winMCA analysis software. Optional identiFINDER LaBr model available on request
CCPL17	Wheeled Weatherproof #1750 Pelican Case, houses complete kit apart from Teleprobe
ZP11601139	Custom Foam insert to protect all kit items in Pelican case

© 2011 Thermo Fisher Scientific Inc. All rights reserved.

*IdentiFINDER® is a registered trademark of ICX Technologies GmbH, a FLIR Systems, Inc. subsidiary. Results may vary under different operating conditions. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details. Literature Code RMP4001.C0611

27 Forge Parkway Franklin, MA 02038 USA	+1 (800) 274-4212 +1 (508) 520-2815 fax
7th Floor, Tower West, Yonghe Plaza No. 28, Andingem East Street Beijing, 100007 CHINA	+86 10 8419 3588 +86 10 8419 3581 fax
Frauenauracher Strasse 96 Erlangen 91056 GERMANY	+49 9131 909-226 +49 9131 909-205 fax
Plot No. C -327, T.T.C. Industrial Area, Pawne Navi Mumbai 400 705, INDIA	+91 22 41578800 +91 22 41578801 fax
11 Biopolis Way #12-07/08 Helios Building, SINGAPORE 138662	+011 65 68729724 +011 65 64789505 fax
Bath Road, Beenham, Reading Berkshire RG7 5PR, UNITED KINGDOM	+44 (0) 118 9712121 +44 (0) 118 9712835 fax

www.thermoscientific.com/rmp

Thermo
SCIENTIFIC