

IF104

Dose rate meter processing unit

- Portable or stationary device
- Analog and digital display
- Compatible with several probes



The IF104 is a hand-held device which processes and displays the data measured by a SHF, SHI or SEC probe (see the corresponding leaflet). The γ dose rate measurement can be performed from 1 $\mu\text{Gy/h}$ to 300 Gy/h with these probes.

The IF104 operates on main power supply or a battery with a 40-hour autonomy. The device can also be mounted on a wall.

A 2-line 16-character LCD backlit displays the dose rate. The analog and digital data are both displayed on a bar graph.

The IF104 performs the following routines:

- Complete auto-test when switching on
- Probe test
- Battery and probe test on a 30-second basis
- Permanent micro-processor test
- Linearity / dead time compensation
- Two alarm thresholds which can be configured.

A Windows-based software for supervision can be proposed.

PHYSICAL CHARACTERISTICS

- **2x16-character LCD display with backlit**
- **Measuring unit:** Sv/h, Gy/h or rad/h
- **Analog display over 6 logarithmic decades (bar graph) with adjustable contrast**
- **2 programmable alarm thresholds**
- **Audible and visual alarms** (when exceeding the thresholds, or when the probe or the battery are failing)

ENVIRONMENTAL CHARACTERISTICS

- **Working temperature:** 0 ° C to + 50 ° C

MECHANICAL CHARACTERISTICS

- **Housing:** metallic, robust and splash-proof
- **Weight:** 3.2 kg
- **Dimensions:** 255 x 140 x 120 mm

ELECTRICAL CHARACTERISTICS

- **Main power supply:** 230 V / 50-60 Hz; Option: 110 V
- **Battery:** 3 A/h with integrated charger
- **Autonomy:** 40 h in normal operating conditions
- **Power indicator:** LED

INTERFACES

- SHF, SHI or SEC probe
- RS 232
- Analog output: 0-50 mV over 6 decades (or 0-3V configurable through an internal switch)
- Alarm contact
- Default contact

ACCESSORIES & PRODUCTS REFERENCES

- Carry belt (20 211 778)
- Wall mounting support
- External alarm unit
- Software for supervision (20 214 680)

SAPHYMO FRANCE - Headquarters

Parc d'activité du Pas du Lac
10 bis avenue Ampère
78180 Montigny-le-Bretonneux
Tél.: +33 (0)1 69 53 73 00

Contact: nuclearsales@saphymo.fr

SAPHYMO GmbH

Heerstrasse 149
D-60488 Frankfurt am Main
Tél.: +49 (0)69 976 514 0
Contact: sales@saphymo.de

SAPHYMO Italia

Vico Chiuso Paggi, 4/11
I-16128 Genova
Tél.: +39 (0)010 25 12 978
Contact: mail@saphymoitalia.com