



— **SKYDOSE (TEAM) RT DOSIMETRY SYSTEM** —  
**Operational HP(10) dosimetry system**  
**for a team operating into an high exposure area**

- Similar performance as Saphydose Gamma i dosimeter
- Real-time, remote and simultaneous monitoring of the dosimeters
- Integrated with an operational dosimetry system, or stand-alone use



The SkyDose system is an operational dosimetry system which has been designed to monitor in real-time the doses of a team operating on an area with high exposure. It also help to continuously improve the practical application of the ALARA principles.

Skydose teledosimetry is meant for people working in a controlled area (Nuclear Power Plant , fuel reprocessing plant, research centre) and emergency response teams (army, police, fire brigade ...).

Only few minutes are necessary to deploy the SkyDose system by distributing the routers which will automatically parameterize their communications network. In this way, the supervisor terminal is easily and quickly ready to access the dosimeters (till 8) data:

- Instantaneous dose rate
- Cumulated dose
- Area classification
- Alarms



The data are refreshed every 2.5s, except for the alarms which are instantly transmitted.

The router autonomy (90 days) allows to keep monitoring beyond the emergency or intervention phase.

[www.saphymo.com](http://www.saphymo.com)

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## PHYSICAL CHARACTERISTICS

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- **Number of teledosimeters by team:** 1 to 8 per supervisor terminal (several terminals can be used simultaneously)
- **Radio broadcast range:** Supervisor terminal: 150 m  
Saphydose Gamma i RT teledosimeter: 70m  
RT-ZB90 router: 300m
- **Transmitted and recorded data:** Alarms while exceeding threshold for equivalent dose rate, dose rate, connection lost, dose, dose rate, and dose rate tendency
- **Period for refreshing terminal data:** 2.5 s (adjustable)

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## COMPLIANCE TO STANDARDS

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- IEC 61526 class 1
- IEC 60068-2-32
- IEC 61000-4-2
- IEC 61000-4-3
- IEC 61000-4-8

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## MECHANICAL CHARACTERISTICS

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- **Weight of the case “Supervisor terminal + 8 teledosimeters”:** 7kg
- **Weight of the case “routers”:** 23kg (3 routers)
- **Material of the case:** aluminum




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## INTERFACES

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- **Network:** ZigBee 2,4 GHz
- **Supervisor terminal:** USB port

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## ACCESSORIES AND RELATED PRODUCTS

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- 20218160 : Saphydose Gamma i RT teledosimeter
- 20218381 : Module supervisor terminal
- 20218170 : RT-ZB90 Router
- 20218365 : Storage case for teledosimeters
- 20218363 : Storage case for routers
- 60011476 : Protective cover for Skydose supervisor terminal
- 20218387 : Protective cover for RT-ZB90 router

### Related products

- Teledosimetry system Skydose (Supervision)
- EPD Reader LMF 3
- Flexidose STD and NPP
- Easydose and Saphyr Gamma
- Sub-area marker

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