

# CORAPI 3

## Personal whole body monitor

- **CORAPI 3** allows the detection of radioactive material/contamination on everybody leaving your controlled area or site by using four large plastic scintillation detectors. It has been especially designed for fast and reliable control, with very low minimum detectable activity.

### ➤ Technical characteristics

#### Minimal detectable activity:

Detection of 800 Bq of  $^{60}\text{Co}$  in 5 seconds (contaminated spots or radioactive sources) in the worst position i.e. at the center top (head) or bottom (foot) of CORAPI with the following conditions:

- Environment background: < 70 nGy/h
- False alarm rate: < 0.15%
- Non detection probability: < 2.5 %

**Visual signals displays:** Outside and inside

**Visual Alarms:** 2 flashing lights

**Power supply:** 110 or 230 VAC / 1 kW

**Temperature range:** 0 to 50 °C ; RH up to 90% (40°C)

**Weight:** 1200 kg

Dimensions:	Internal	External
Height:	200 cm	240 cm
Width:	115 cm	60 cm
Length:	90 cm	75 cm

#### Supervisor:

- Management of up to 14 CORAPI 3 (RS 485 – MODBUS),
- Visualisation, acknowledgement and alarm transmission of each control
- Parameters setting and non volatile storage
- Storage of up to 50 000 controls
- Calibration routine



- Whole body gamma control: No shadow area, measurement of internal contamination
- Fast walk through time
- Automatic processing
- Automatic adaptation of measuring time in order to guarantee detection limits

