

## Audible & Visible Automatic Portable Radiation Alert

*AVARA/P is part of a complete range of BALTEAU NDT products dedicated to Safety, Measurements and Quality improvement.*

*An accurate monitoring of the radiation level in a controlled area is most of the time a legal obligation but also an essential measure in order to protect the people around.*

*The basic Safety principles of Radio protection (ALARA – As low as reasonably achievable) must always be followed when performing an exposure not only in the parameters selection, but also in the exposure settings.*

*AVARA/P is a stand alone detector allowing the operator to monitor closely the working area. As soon as the unit detects X or Gamma radiation, an audible and visible alert informs the operator that the zone where the unit is located is being irradiated.*

*AVARA/P is the unavoidable tool for an efficient control of a specific area in order to guarantee a maximum security to the operator and other people standing close to the working zone.*

### **Flexibility & Mobility**

This equipment has been designed to be used efficiently on field.

This detector can work independently thanks to its rechargeable battery allowing the unit to work continuously for up to 20 hours. The intelligent charger optimizes the charging status and extend the battery lifecycle.

This light equipment can be easily transported everywhere. With this unit, the operator is assisted with deported equipment able to automatically detect the presence of ionizing radiation.

### **Audible & Visual Alert**

The AVARA/P warns the operator and people around the protected zone that X or gamma radiations are being emitted using 2 different modes: Visual / Audible alert.

The Audible mode starts a powerful warning buzzer (90dBA) which can be heard at a distance



up to 35 m and even more depending on the type of environment.

In Visual mode, the AVARA signals that it is ready for detection by lighting up an orange flash. The presence of ionizing radiation is signalled by a powerful red flashing light.

It is possible to add relay lighting beacons (optional) by using an external connector.

### **Increase Security**

The AVARA/P features an auto-check function. This verify that the Geiger Muller detector is not defect and that the unit is ready to be used. If the radiation detector is faulty, a specific LED (Defect Sensor) lights up.

### **Reporting**

Data retrieving is made possible thanks to the RS232 connector.

## Specifications

Mechanical		
Size	mm Inch	310 x 272,6 x 118,1 12,24"x 8,27"x 3.54"
Weight	kg	5,6
Protection		IP62
Quality assurance		CE manufacturing process
Electrical		
Power supply	VAC	230 (0.25A)
Battery life time (continuous use)		+/-20h
Smart Battery charger		Internal
Unit Switch on/off		
Connector for additional Clignotix		1
Radiological characteristics		
Geiger Müller detector (RX et Gamma)		
Energy range	keV	60 à 2000
Sensitivity	Cps/mR/h	1,4
Alert Signals		
Audible alert power (buzzer)	dBA	90
Visual alert power (flash)	W	3
Auto-check Led		
Environmental		
Operating temperature	°C	-15 à 50
Storage temperature	°C	-20 à 70
Relative humidity	%	10 à 95
Divers		
Embedded microprocessors, data logging and data communication , Auto-check		
Options		
External flashing lamp, Data retrieving and update Software (RS232 cable)		

## Producer

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## Distributor

