

AQUASCAN

Contamination in liquids continuous monitor

- Aquascan operates automatically and measures radioactivity in liquids continuously. All routine operator interactions are carried out via ANDREA processing unit from which the operator can initiate all measurements and control procedures. The total gamma spectrum generated from counts can be displayed on a PC for up to three user-defined regions of interest, the standards being ^{131}I , ^{60}Co and ^{137}Cs .

- Continuous monitoring of activity concentration (results in Bq/l)
- Adjustable alarm thresholds
- Data recording
- User-defined regions of interest
- Spectrum images display
- Networking

➤ Technical characteristics

Detector: NaI 3" x 3"

Measurement range: 100 keV - 2 MeV

Detection limits *: - ^{131}I : 1,5 Bq/l
- ^{137}Cs : 1,0 Bq/l
- ^{60}Co : 2 Bq/l

Dimensions: - probe : L 50 cm, \varnothing 10 cm (22 cm with ring)

Weight: probe : 4,5 kg

* at 2s with 97,5% of good detection for one hour measurement.



Visualisation des mesures

Date et heure	Mesure	Valeur	
08/07/99 12:10:30	Comptage Global	324 c/s	<input checked="" type="checkbox"/> Iode 131
08/07/99 12:10:30	Activité Cobalt 60	0,0 Bq/l	<input checked="" type="checkbox"/> Cesium 137
08/07/99 12:10:30	Activité Cesium 137	0,0 Bq/l	<input checked="" type="checkbox"/> Cobalt 60
08/07/99 12:10:30	Activité Iode 131	0,0 Bq/l	<input checked="" type="checkbox"/> Global
08/07/99 12:02:09	Comptage Global	323 c/s	
08/07/99 12:02:09	Activité Cobalt 60	0,0 Bq/l	
08/07/99 12:02:09	Activité Cesium 137	0,0 Bq/l	
08/07/99 12:02:09	Activité Iode 131	0,0 Bq/l	
08/07/99 12:01:09	Comptage Global	330 c/s	
08/07/99 12:01:09	Activité Cobalt 60	0,0 Bq/l	
08/07/99 12:01:09	Activité Cesium 137	0,0 Bq/l	
08/07/99 12:01:09	Activité Iode 131	0,0 Bq/l	
08/07/99 12:00:09	Comptage Global	321 c/s	
08/07/99 12:00:09	Activité Cobalt 60	0,0 Bq/l	
08/07/99 12:00:09	Activité Cesium 137	0,0 Bq/l	
08/07/99 12:00:09	Activité Iode 131	0,0 Bq/l	
08/07/99 11:59:09	Comptage Global	324 c/s	
08/07/99 11:59:09	Activité Cobalt 60	0,0 Bq/l	
08/07/99 11:59:09	Activité Cesium 137	0,0 Bq/l	

