

ADN-T

Neutron detection

Our **ADN-T** range offers modular solutions that are adaptable to your requirements in terms of detection of radioactive neutron sources of very weak activity (fissile materials in particular). Two versions are available:

- ADN-T2 : 2 detectors,
- ADN-T5 : 5 detectors.

The systems is managed by the ANDREA processing unit together with a supervision software. Measurements are carried out in dynamic mode (detection "by scanning")

Applications: control of vehicles, trains, luggage, parcels or pedestrians in NPPs, research centres, weapon factories, nuclear waste disposals, border crossing points, banks, post-offices, airports, harbours ...



Technical characteristics

- **Detectors** : He-3 tubes (length: 1m)
 - 2 tubes for ADN-T2
 - 5 tubes for ADN-T5
- **Regulator** : Polyethylene
- **Detection limits** (at 60 cm, in 1 s, false alarm probability <math>< 2.10^{-3} \%</math>, detection probability 99,9%) :
 - ADN-T2 : 3600 n/s
 - ADN-T5 : 1900 n/s
- **Housing** : reinforced polyester
- **Temperature of operation** : -35 °C to +50 °C
- **External dimensions** :
 - ADN-T2 : 1500 x 500 x 320 mm³
 - ADN-T5 : 1500 x 750 x 320 mm³
- **Weight** :
 - ADN-T2 : 140 kg
 - ADN-T5 : 230 kg
- **Sealing** : IP65

