

# Portable neutron backscatter gauge for level and interface measurement

## N Scan Mk3



### Specifications:

#### Measurement head :

- **Detector and source holder:** polyethylene block for neutrons thermalization, cadmium shield and lead (approx. 5 mm thickness) shield for radioprotection, stainless steel housing and pole fixation
- **Helium-3 detector:** 25cm length, 2.5 cm diameter
- 2 m long cable with appropriate connectors
- Pole for operating the device
- Precision and /or accuracy: around 2 cm (for level position)

#### Measurement acquisition module :

- Battery operated, autonomy approx. 1 working day
- Real time display of the measurement as counting rate (Cps)
- Can to be placed on the operating pole or disconnected from the pole
- Typical sampling time: 1 sec