

**Neutron Detector in Polyethene
moderator housing**

TYPE: NDP-1

**FEATURES :**

- Detector : ^3He proportional detector surrounded by 9" dia Polyethylene sphere, as moderator.
- Measures Neutron Flux in CPS / CPM.
- Measures dose rate in Sv/h in the range of (1 $\mu\text{Sv/h}$ to 10mSv/h).
- Accuracy +/-10%.
- Facilitates data storage, upto 1000 readings.

Neutron Detector Probe NDP-1 This is Neutron Detector Probe is designed primarily to measure neutron flux from $1\mu\text{Sv}$ to 10mSv/hr. When Connected to Neutron Survey Meter or Neutron Area Monitor of 'Nucleonix Systems' make. It uses of ^3He Proportional detector tube, surrounded by a 9" Spherical polyethylene moderator all around the detector. Detector probe has a handle to carry it along with Neutron Survey Meter. The detector sensitivity is 14CPS/NV. Typical detector probe bias is volts.