

SPECIFICATIONS OF HIGH GAMMA FLUX TELESCOPIC PROBE (QTY-03)

a) General Specification:-

- i- Extendable Telescopic Pole from 1 to 4 meters with high flux gamma (γ) rays measurement probe.
- ii- Ambient Gamma Dose Equivalent rate $H^*(10)$ from $10\mu\text{Sv/h}$ to 1000 Sv/hr .
- iii- Compatible with electronic unit for power supply, display and alarms

b) Technical Specification:-

- i) *Detector* Energy compensated from 30 Kev to 2 Mev or more better
- ii) *Gamma Dose Equivalent rate* $H^*(10)$ according to ICRU 39 and ICRU 47 recommendation
- iii) *Measurement range* $10\mu\text{Sv/h}$ to 1000 Sv/h or more better
- iv) *Display* Digital and Analogue graphic display dose rate with the units
- v) *Alarms* Visual and audible alarms at thresholds preset values
- vi) *Dimension* Up-to $1000\times 80\times 100\text{mm}$ (LxWxT) (Folded and with electronic unit)
- vii) *Weight* Up-to 02 Kg (With electronic unit)
- viii) *Transport* Transport case be provided
- ix) *Temperature range* Normal operation 0 to $+55^\circ\text{C}$
Storage 0 to $+65^\circ\text{C}$
- x) *Humidity* Max 95% non condensing
- xi) *Spares* Spare cards connectors, detector and other main essential and un-repairable same type components
- xii) *Documentation*
 - a) English language
 - b) Description , function and detailed specification of each main component.
 - c) Detailed circuit diagrams block diagrams, operation and service / main