



SPECIFICATION

Low Level Counter and Planchets

1. Scope

“This specification describes the requirements for a Low Level Counter with four Planchets hereinafter referred to as “The System” to be used by the end-user, Ministry of Energy and Natural Resources of Ecuador – Control and Nuclear Applications, to carry out low activities analysis for alpha and beta radiation.

2. Functional, Technical and Performance Requirements:

- **Low-Level Planchet Counter with 10-Channel α - β each up to 60 mm Ø.**
- **2 Planchets of sealed source of ^{241}Am / 47mm and 57 mm Ø**
- **2 Planchets of sealed source of ^{137}Cs / 47mm and 57 mm Ø**

3. Marking

The System shall have all safety markings in English language.

4. Packing

The System, for the shipment by air to the End-User, shall be packed in accordance with international standards that are applicable for the shipment by air of this kind of equipment.

5. Quality Requirements

5.1. The System shall be manufactured and shipped in accordance with the Contractor's ISO quality assurance system or an equivalent quality assurance system and The Contractor shall document the compliance with this quality assurance system.

6. Testing and Acceptance

The System, prior to shipment, shall be tested for conformance with manufacturer's performance specifications and the minimum requirements specified herein.

7. Deliverable Data Items

The Contractor shall provide operation manuals and technical drawings in English language.