

1. OBJECTIVE

The purpose of this Quality Assurance Plan is to ensure that the Level Transmitter is designed, manufactured, tested, and delivered in compliance with applicable standards, customer specifications, and industry best practices. This plan defines the QA responsibilities, processes, inspections, and testing criteria.

2. SCOPE

This QAP applies to:

- Manufacturing and assembly
- Item inspection
- Calibration and testing
- Packaging and dispatch

3. APPLICABLE STANDARDS AND REFERENCES

- ISO 9001:2015 – Quality Management Systems
- Manufacturer's Standard Drawings and Specifications
- Customer Specifications and Approved Data Sheets

4. RESPONSIBILITIES

Designation Responsibility

QA/QC Manager Ensure QAP implementation, approvals, audits

5. QUALITY CONTROL ACTIVITIES

SL. NO	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	STATUS	REMARKS
I	ITEM INSPECTION									
IA1	Level Transmitter / Accessories	Quantity / Make / Model No.	Major	Routine	100%	Manufacturer Standard	Manufacturer Standard	Inspection Sheet		
IA2	Level Transmitter / Accessories	Operational / Functional Test	Major	Routine	100%	Manufacturer Standard	Manufacturer Standard	Inspection Sheet		

6. CALIBRATION PROCEDURE

- Calibrate at 0%, 25%, 50%, 75%, 100% of range
- Record values at each point
- Calibration certificates traceable to national/international standards

8. DOCUMENTATION AND RECORDS

Document

Inspection & Test Records

Calibration Certificates

O&M Manuals

9. PACKAGING AND DISPATCH

- Moisture barrier bag (if needed)
- Foam protection and robust casing
- Label with:
 - Model/Serial No.
 - Calibration Date
 - Output range
 - Power supply