SLV-TI Engineering Selection Brief

Use this brief to define an atmospheric single-probe hydrostatic installation. It is a configuration review document, not an issued serial-specific datasheet, dimensional drawing or approval.

Selection item	Request / option	Release check
Alloy and wet parts	Grade 2 titanium body request; other alloys separately	Confirm the material schedule, diaphragm, seals and any wetted fasteners.
Salinity and exposure	Actual salinity / chloride content and immersion duration	Review cleaning chemistry, temperature, deposits and galvanic contacts.
Liquid-head span	Request 1–300 m; actual SG basis	Quoted range, overload and immersion rating must match the chosen assembly.
Signal and cable	4–20 mA, HART or RS485; qualified PUR / FEP	Approve jacket and termination for the actual medium and route.
Evidence	Material identification, calibration and configured drawing	No marine approval or fixed corrosion lifetime is claimed.

Installation decisions

- Separate normal seawater from concentrated or contaminated brine; a generic salinity label is insufficient.

- Use measured density at operating temperature to avoid treating every saline liquid as SG 1.025.

- Review stainless suspension hardware and other contacting metals alongside the titanium probe.

Prepare the complete engineering RFQ

Record these inputs with the online configuration code. Liquid head is measured above the sensor diaphragm; deployment depth and cable routing are independent.

Input	Project value / acceptance record
Liquid composition, SG, concentration and temperature	_____
Maximum liquid head and minimum operating level	_____
Sensor installation depth, routing and service loop	_____
Clear casing ID / drawing datum / mounting	_____
Cable length, jacket and rated support	_____
Signal, supply, loop load and PLC / logger input	_____
Surge / hazardous-area / ingress evidence required	_____
Quantity, country, postal code and required documents	_____

Request the exact configured materials, dimensions in mm/inches, STEP availability, pinout and calibration/approval records before order release. Reference photographs do not establish a qualified SLV SKU or guaranteed material/performance.

Submit: https://submersiblelevel.com/request-quote

Open resources: https://submersiblelevel.com/datasheets-cad-wiring-library