# SLV-EX 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 |
|---|---|---|
| Application and span | Fuel blend / leachate chemistry; request 0.5–100 m | Pressure span follows actual liquid head and density. |
| Required approval | Jurisdiction, zone/division, gas group, temperature class and ambient | Obtain the exact certificate, schedule, marking and special conditions. |
| Circuit | Two-wire 4–20 mA with approved associated apparatus | Check voltage/current/power and cable capacitance/inductance against control documents. |
| Wet construction | Qualified steel / titanium, compatible seals and oil-duty cable | No material option automatically inherits another model certificate. |
| Release documents | Exact supplied model, certificate holder and installation drawing | Own SLV enquiry code is not the certified marking; IECEx/ATEX/UL/CSA are not interchangeable. |

## Installation decisions

- Locate ordinary indicators and controllers in the appropriate safe location; assess every component connected to the circuit.

- Intrinsic safety needs the full loop assessed, not just a low-voltage supply or isolated barrier.

- Leachate can combine corrosion and hazardous gases: obtain both process chemistry and area requirements.

## 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