SLV-BH16 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
Clear bore	Supply minimum measured casing ID, joints and obstructions	Nominal pipe size is not guaranteed clear diameter.
Probe diameter	Ø16-class or separate Ø12 / Ø12.5mm enquiry	Confirm exact configured drawing; diameters are not interchangeable labels.
Measuring span	Expected water column above the diaphragm	50–500m requests need a qualified diameter/pressure combination.
Deployment / cable	Installation depth + surface route + service allowance	Do not substitute liquid head + 3m for deep-well cable sizing.
Tensile / surge	Reinforced cable, rated strain relief and surge option	Ask for cable load/bend limits, rating and earthing instructions.

Installation decisions

- Record highest/lowest groundwater levels and the actual fixed sensor datum.

- For a sensor at 180m with only 30m maximum liquid head, size the measuring span for head and the cable for at least the installed route.

- A source slim-probe image does not certify 500m range or a particular small diameter.

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