



HCLD ROV Test Tool

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The HCLD ROV test tool is designed to test the HCLD (Hydro Carbon Leak Detector) sensor on permanent subsea structure down to 400 m depth. Tool is operated by a working class ROV.

The main components are a valve panel and a lance pointer, together with a gas bottle. The default gas bottle is a 50 L, 300 bar bottle filled with N₂, but the system also support other volumes and gas types. The bottle and valve panel are mounted on the ROV.

The system contains an Apex SD₄ regulator, pressure relief, an ROV operated $\frac{3}{4}$ " ball valve, a HD and LP manometer and a surface operated needle valve. The preset flow is regulated through the surface operated needle valve (0 to 5 l/s).

Can be delivered with hydraulic operated valves according to the customer's needs. A set with two bottles and regulators can be provided if flowrate needs to be increased.

Key features

- Mounted on the ROV
- Lance pointer w/ diffuser - made in plastic to prevent damage on subsea structure, customer defined length (default 2 m)
- Easy gas stream regulation through a surface operated needle valve, preset flow 0 to 5 l/s
- Manageable for 1 solo working class ROV
- Bottles can be delivered with different volumes and gas types, from industrial 50 L N₂ bottles, to smaller O₂ diver bottles.
- Default delivery: 50 L, 300 bar bottle filled with N₂.