

Hand Controller and Electronics Pod

The HLK-3700 series hand controllers are designed to pair with the 2000msw-rated HLK-3800 series subsea pods, providing a reliable serial communications link between the topside hand controller and Hydro-Lek valve packs, as well as the HLK-91100 series compact HPUs.

The HLK-3800 subsea pods convert serial communications to 24VDC digital switching for valve coils and enable HPUs to operate in either a switched or on-demand mode.

These pods can be configured with a variety of bulkhead options to meet customer preferences and support a wide range of voltage inputs, including 24VDC, 48VDC, 200–375VDC, and 110–240VAC. The standard communications protocol is RS232, with Twisted Pair (TP) available as an optional alternative.

Hand controllers can be equipped with up to six joysticks as standard, with the faceplate clearly labelled to indicate manipulator function inputs. Additional features include extra switching capabilities for compact HPUs and spare tooling requirements.



Features

- 2000msw depth rating for subsea pod
- Wide range of subsea voltage options
- Control of up to two five-way valve packs and one HPU simultaneously

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Technical Specifications

General

Function	Hand Control & Subsea Pod Telemetry Control System
Materials (Subsea)	316 Stainless Steel, 6082 Aluminium
Product Finish (Subsea)	Hard Anodised
Dimensions (Surface)	(L) 222mm x (W) 146mm x (D) 93mm (8.7" x 5.7" x 3.7")
Dimensions(Subsea)	(L) 328mm x (D) 100mm (12.9" x 3.9")
Weight in Air (Surface)	2.5kg (5.5lb)
Weight in Air (Subsea)	3kg (606lb)
Weight in Water (Subsea)	1.kg (2.2lb)
Depth Rating	2000msw as standard (4000 MSW available on limited variants)
Communications	RS232 as standard (TP optional)
Supply Voltage (Surface)	110-240VAC, 1Ø, 50/60Hz
Supply Voltage (Subsea)	24, 48, 200-375 VDC

Environmental

Operational Depth	2000msw (6,560ft)
Operating Temperature	5-60°C (41-140°F)
Storage Temperature	0-70°C (32-158°F)
Humidity	0% to 100% Condensing

Saab UK - World leader in electric underwater robotics

Phone: +44 (0) 1489 898000

Web: www.saabseaeye.com

Email: solutions@saabseaeye.com

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