

OceanTools

OceanDISP-7K

Deep ocean display unit

The **OceanTools OceanDISP-7K** is a versatile, light-activated deep ocean display unit capable of interfacing to the serial outputs of a wide range of subsea devices.



Overview

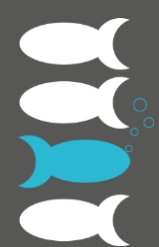
The **OceanDISP-7K** deep ocean display unit offers the familiar **OceanDISP** serial display functionality in an innovative new package. Its acetal housing with anodized aluminium front plate and acrylic window is more rugged and resilient than the original clear tube design, with an extended 7000m depth rating. Utilising a high visibility LED matrix display, it can accept a wide range of serial inputs, including:

- **OceanTILT** tilt sensors and **OceanTHDT** sensor packs
- Serial data loggers
- Subsea pressure, temperature and flow sensors
- Load cells and cable counters

Numerical parts of the incoming serial data message may be stripped out and displayed, or text can be displayed verbatim in terminal mode. Applications include deployment as a data display for covert diver delivery vehicles.

The revised electronics support an analogue input to allow analogue voltage signals to be displayed. Additionally, two boards may be daisy-chained to give two lines of information in a single housing.

OceanDISP-7K is light activated and can be woken up by shining a light on it, with programmable light sensor activation thresholds and wake and sleep periods.



OceanTools

OceanDISP-7K

Deep ocean display unit

Key Features

- Operates in Terminal mode or Parameter mode
- Data display text can scroll or be sequenced
- Displays serial data or analogue input
- Fully programmable from remote PC or laptop
- User-defined light activation threshold
- External TTL on/off control and TTL status output
- Option for two display boards in a single housing



Specifications	
Depth rating	7000m
Serial input	RS232 and RS485
Baud rate	300–57600
Input voltage	10–36VDC
Standby current	<5mA @ 24VDC
Operational current	100mA @ 24VDC
Standard connector	Glenair G5507-1508
Dimensions (excl connector)	300mm x 100mm x 75mm
Weight in air	2.7kg
Weight in water (estimated)	0.7kg

Related Products

AMP Attitude Monitoring Package uses the **OceanDISP-7K** to display pitch and roll measurements from an **OceanTILT** dual axis inclinometer, housed together in a robust deployment frame.

C-Level is a compact integrated digital inclination measurement and display unit suitable for ROV or diver deployment.

Product datasheets, GA drawings, case studies and other supporting documents are available to download from data.oceantools.co.uk

All specifications are subject to change without notice. E&OE.

Version 8 (08.07.2024)

