

MOSS - DEPTH

Practical and exact depth reading for marine, diving, and civil under water applications.

MOSS DEPTH SYSTEM

The MOSS depth system is a portable unit to determine the exact depth during a marine, diving or civil underwater project. The system provides real-time depth values from waterline as well from a reference level (NAP). All data is logged so it can be used for inspection reports.



Total set consist of:

- MOSS unit with atmospheric -sensor
- Reel 50m with depth sensor
- NAP sensor with 20m cable
- Density sensor
- Control-box for extra input

The depth sensor is used with the reel or on the umbilical (video) line when available.

The Control-box is used to store additional information on specific locations as depth and location-number.

DEPTH MEASUREMENT

For the exact depth measurement the MOSS uses three pressure sensors:

- Sensor to measure the atmosphere.
- Sensor just below waterline.
- Sensor at depth (diver or on object)

The atmospheric sensor is integrated inside the MOSS. The waterline sensor is placed just below the waterline with a fixed distance to the (NAP) reference level. The depth sensor is going down with diver to be placed on the object.

To calculate the correct depth also the density of the water must be entered. The difference in depth between salt and fresh water is significant.

With clear screens the supervisor can operate the MOSS very easily and no extra training is required. The setup time of the system is less than 15 minutes.

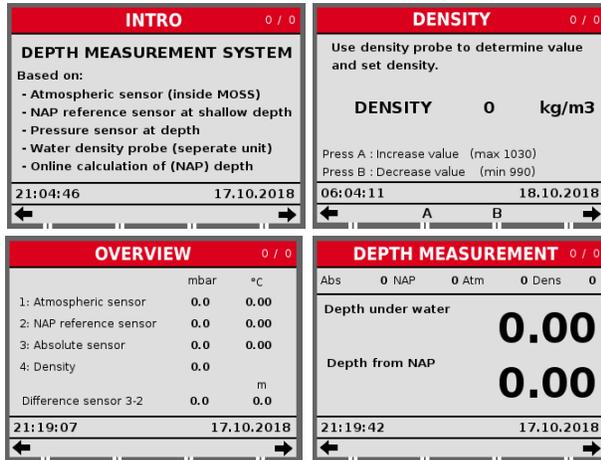
The depth sensor can be applied with a separate cable on a reel or direct to a free cable on the umbilical of the diver.



MOSS unit in use in diving-container

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Top: Different displays of the MOSS unit.

Bottom: Excavation-pit, with GEWI-anchors and LEKA-piles



All anchors and piles were measured by divers when excavation-pit was full of water. When water was pumped out a total-station was used for a reference measurement.

Results were spot-on and exactly the same !!

MOSS ADVANTAGES

- Digital measurement by means of a pressure sensor instead of visual observation of lead-line.
- Can be used in excavation pits also underneath structures.
- Depth check on submersion projects.
- Easy to apply, direct from surface, dive-container or diving bus.
- Direct readings on screen of MOSS.
- Readings are stored on USB stick for validation or generation reports.
- Portable system with integrated battery supply.
- Pressure sensor can be connected to existing umbilical of diver.
- Control box for extra options

Save time and personal by using the MOSS system for your depth surveys due to the pragmatic design and clear functionality.

MOSS DETAILS

Rugged case	: 305x270x194 mm
Weight	: Approx. 4.5 kg
Battery	: 90 Wh (approx. 24 hours)
Connectivity	: 1 x sensor atmospheric : 1 x depth sensor NAP : 1 x sensor depth,
Cable reel	: 60m cable on reel
Charge	: 1 x input 12 Vdc
Display	: 3.5 inch, 320x240 pixel
Software	: Display and store data