

Portable survey system **MOSS**

The MOSS is a practical, robust, portable measurement solution for your monitoring and surveying needs. Developed and manufactured by TARKA-SYSTEMS with the needs of Marine Surveyors and Naval Architects in mind.



Save time and overhead by using the MOSS system for your surveys due to the pragmatic design, clear functionality and the ability of reading a wide range of sensor inputs.

The functionality of the MOSS can be applied for marine and offshore applications such as:

- Salvage monitoring and survey
- Marine survey of damaged vessels
- Deadweight survey
- Inclining experiments
- Dry docking monitoring
- Floating dock monitoring
- Semi-submersible monitoring
- Float-on/off monitoring
- Heavy lift
- Load out

For special functionality the basic system can be extended on clients' request.

The MOSS model is a handheld unit that provides the readout and storage of connected sensors.

The sensor value is gathered, displayed and stored on a USB drive. Average values can be calculated and displayed during the measurements.

MOSS-FEATURES

The MOSS system has a modular setup so it can read the most common sensor input. When the data output type of a sensor is known the raw value can be read. With client specific software the engineering value can be calculated and displayed on the display.

Available options with the available modules:

- Serial input RS232 (NMEA)
- Serial input RS485 (MODBUS-RTU)
- mA input (0-20mA)(4-20 mA)
- Volt dc (0-10V)
- Digital inputs
- Digital outputs

Additional to the standard size of the gathering/visualisation modules in the MOSS larger modules are also available.



MOSS-FREEBOARD

The basic MOSS-Freeboard system comes with an ultrasonic distance sensor with 50 ft.

The system consists of the following components:

- Rugged case
- Internal battery with status display
- Battery life of 30 hours with 1 sensor
- Ultrasonic sensor range 1-50 ft.
- Large display with control buttons
- Basic measurement software
- IP67 connectors

The MOSS system is still improving and the number of sensors and applications are growing.

Please do not hesitate to contact us for your application.



MOSS-INCLINE

With an incline sensor the MOSS can be used for inclinations test. Incline sensor can be of any type mA, Volt or MODBUS.

When the sensor has the MODBUS protocol it can be combined with other sensors with the same protocol. So for special measurement a FREEBOARD and an INCLINE sensor can be combine and displayed together on the MOSS.

MOSS-PRESURE TEST

With a pressure sensor with mA output the MOSS be applied for pressure test with pipe laying applications.

DETAILS

Rugged case	: 305x270x194 mm
Weight	: Approx. 4.5 kg
Battery	: 90 Wh
	: Status display
Connectivity	: 2 x Sensor input
(different modules)	: 1 x Multi output
	: 1 x USB input/output
	: 1 x Ethernet
Charge	: 1 x input 19-24 Vdc
Display	: 3.5 inch, 320x240 pixel
Software	: client specific solutions
On/Off switch	: 1x
Power LED	: 1x