

MOSS-PAMS LOAD-IN / LOAD-OUT

The MOSS is a practical, robust and portable measurement solution for your monitoring and surveying needs. With the universal setup many different sensors can be connected, displayed and stored. The MOSS can be applied in harsh environments and in different project sectors like marine, offshore, civil, heavy-lift and others.

With the integrated battery system the MOSS is ideal for field measurements. Data is stored on USB stick for easy handover. A wireless data-link to a remote location is possible.

The measurement and monitoring tools of TARKA-SYSTEMS are based on many years of practical field experience. The MOSS is built into a rugged case and can operate when closed. With logical layout and screens the MOSS is easy to operate.



The data is gathered and presented on clear displays for direct readout. The stored data can be used for project handovers, reports and further analyzing. With an additional EXCEL-tool automatic report generation is possible.

The MOSS can be used as a stand-alone system or as a feedthrough for the measured data to other systems.



LOAD-IN / LOAD-OUT

For SPMT load-in/load-out the leveling between quay and vessel deck is very important, this to secure cargo strength and stability between vessel, cargo and SPMT. The ramp angle is the main indicator to determine good levelling between quay and vessel. Digital monitoring improves reliable readouts and prevents changes of human error. With direct readout at the ramp location and extra time traces on the bridge, the system improves the decision making for the ballast operation.

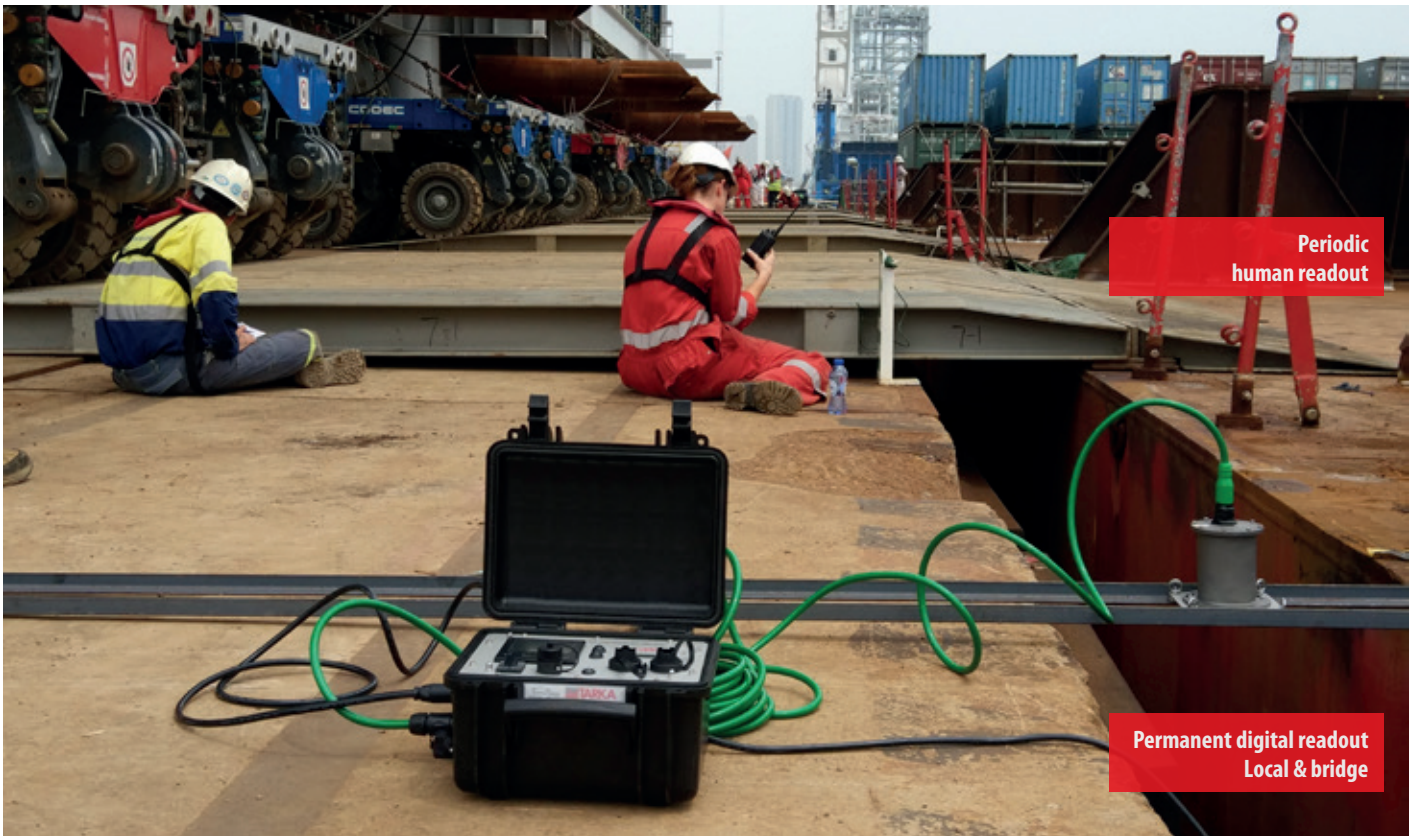
MOSS-PAMS OPTIONS

The MOSS-PAMS (Portable-Angle-Monitoring-System) is available in different options:

- Mini:** Angle sensor connected to MOSS
- Basic:** Motion sensor connected to MOSS
- Maxi:** Setup Mini or Basic with wireless link
- Special:** extra sensors or client specific solutions

Overview

- MOSS-PAMS options: [MOSS-PAMS-OPTIONS](#)
- MOSS overall options: [MOSS_OPTIONS](#)



**Periodic
human readout**

**Permanent digital readout
Local & bridge**

MOSS-PAMS ADVANTAGES

The MOSS-PAMS has the following advantages:

- Portable battery powered system
- Measurements can be executed in the field without additional tools.
- Digital measurement of ramp angle
- Data can be used to calculate the leveling between quay and vessel deck.
- Easy to setup and operate.
- Wireless data-link to ballast control room for more efficient decision making on ballast plan.
- Data is stored at MOSS (ramp location) and on laptop (ballast-control-room) for validation or report generation.
- Warnings can be added to software for ramp-angle-limits to inform ballast control operation.
- Digital measurement is more accurate than the traditional ruler measurement by periodic human readout.
- Better readout accuracy when gap between quay and vessel gets larger
- Constant measurement instead of periodic human readout.
- Measurement on multiple locations possible.
- System can operate in all weather conditions so it prevents personal to be present nearby ramp in bad weather and/or dangerous conditions.
- Automatic data saving
- Client specific software possible.
- Options for additional inputs.

SPECIFICATIONS [STANDARD]

Rugged case:	305x270x194 mm
Weight:	Approx. 4.5 kg
Battery:	90 Wh (approx. 20 hours) with extra battery case > 4 days
Charge time:	Approx. 2.5 hour
Connectivity:	1 motion sensor (serial) or 1 or 2 angle sensors (mA) other mA sensors wireless datalink
Charge:	1 x input 12 Vdc
Display:	3.5 inch, 320x240 pixel
Software:	Display and store data
Storage:	USB flash drive
Angle sensor:	single or double axis *
Motion sensor:	SMC108 or * Xsens Mti10 / 100 series *
Transmitter /:	Box 30x8x8 cm
Receiver :	5 meter cable * Antenna 30cm *
Laptop:	OS windows 7 or 10 Direct com-port (sub-D)
Software:	Dongle + program

* More options available.

TARKA
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