

FIELDDAQ

Portable data-acquisition and monitoring

The FIELDDAQ system of TARKA-SYSTEMS is a portable solution for data-acquisition and monitoring applications in harsh environments. The modular layout provides for tailor-made solutions for special projects in maritime, offshore, salvage, civil or other market-segments.

Applications

The FIELDDAQ system is available for many different setups:

- As data concentrator linked to a laptop
- As stand-alone system with internal pc and screen.
- As autonomous data-logger
- As wireless connection point

Other setups are possible depending on client requirements. See examples on next page.



FIELDDAQ front with multiple individual connector plates

Front-plate

The front-plate of the FIELDDAQ system consist of multiple individual plates which can be easily exchanged and provides maximum connectivity for any specific measurement.

The example above shows the following setup:

- 16 x sensor inputs special connectors
- 4 x BNC inputs
- 4 x serial ports
- 4 x USB port
- 4 x Ethernet port

**TARKA-SYSTEMS provides a complete solution
- from sensor to visualisation -**

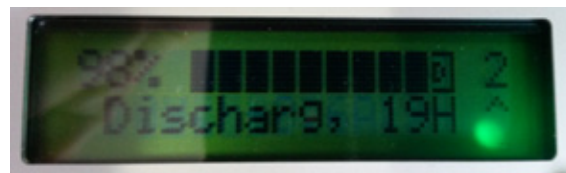
Internal modules

Depending on the type of the FIELDDAQ, two or four modules can be installed internally (case):

- Battery-supply
- Data-acquisition
- Mini-computer

Additionally a screen can be installed in the lid.

The battery supply powers the basic system for a period of approximately 20 hours. The control display provides information on the batteries.

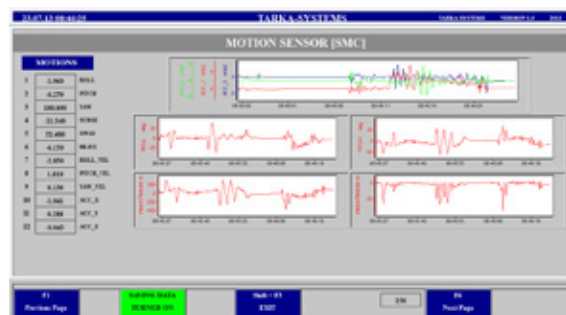


Battery-Control-Display with info on lifetime of system

A various range of data-acquisition modules can be installed to gather the sensor information. An overview of the most common sensor values is given on the next page.

Measurement software

With a mini-computer in the case and a screen in the lid a complete autonomous system is created for stand-alone operation. The data-acquisition software running on the mini-computer is easy to operate and can be tailor made for all applications.



Example of Graphical User interface