

MINIpack for Antarctic Deployments



The MINIpack CTD Fluorimeter has been optimised for use in the Antarctic. The MINIpack is a very compact sensor and it has now been complimented with a low-profile guard specifically designed for deployments through ice holes. A standard ice auger hole is 250mm diameter. With the new guard the MINIpack diameter only increases from 120mm to 140mm making it suited for measurements through ice boreholes.

An internal lithium battery and removable SmartMedia card means that the MINIpack has no external connectors.

MINIpack can also be used as the core of a larger multi-parameter system. As such, it may be used as a discrete profiling instrument, installed on a data buoy, moored in the ocean or to form the core of a towed undulating vehicle system. It has been designed specifically for installation into towed vehicles.

This compact instrument contains a fluorimeter, conductivity, temperature and depth sensor. These sensors are coupled to a high-performance data logger. For real-time applications, the MINIpack is provided with a transmission system with the capability of providing power to and acquiring data from up to sixteen external sensors (fourteen differential channels and two single-ended channels). These may typically include dissolved oxygen, pH, PAR, up & down welling sensors, fluorimeters & transmissometers. A titanium / acetal housing contains all on-board sensors, processing boards, data transmission or internal batteries.

<https://www.hydro-international.com/content/news/minipack-for-antarctic-deployments>
