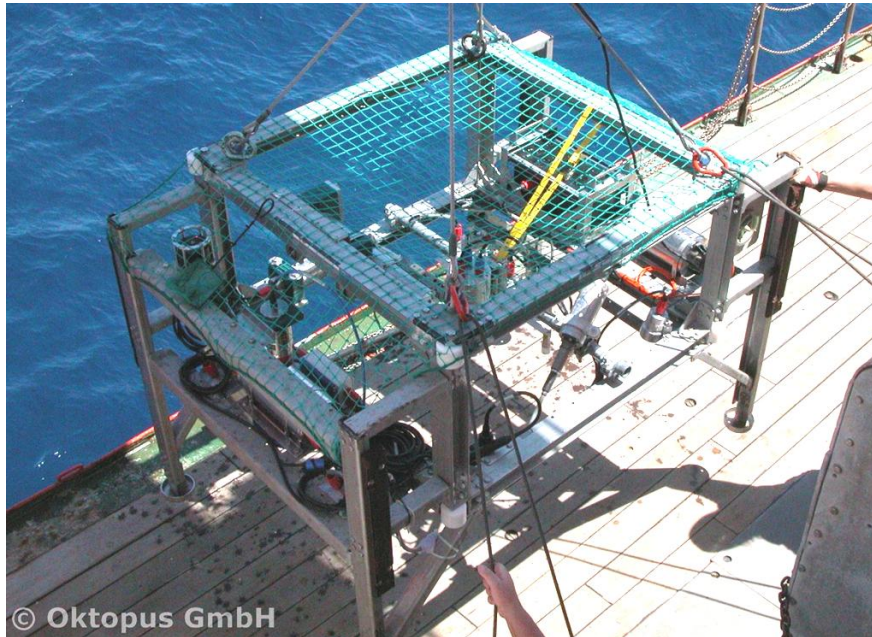


O²FOS - Oktopus Ocean Floor Observation System – datasheet

Deep sea instrument carrier with telemetry, Full HD Ethernet camera and transponder navigation



1 Mechanical

Dimensions (L x W x H):	2 m x 1 m x 1 m (other dimensions on request)
Maximum deployment depth:	up to 6,000 m, depending on accessories
Weight (frame):	140 kg
Material:	OktoMFS 1.4571 profile system
Allowable additional load:	max. 500 kg

2 Telemetry

VDT-5 (other set-ups on request)

Max. cable length:	12,500 m
Components:	underwater unit, deck unit, control PC
Interfaces:	2 x Gigabit Ethernet, 6 x serial interfaces, 7 x voltage output (4 x with dimming), 3 x Fast Trigger
Additional specifications:	Oktopus GmbH – Products – Telemetry – VDT5

3 Standard connected components

Video camera:	Oktopus Full HD Ethernet camera (SDI - realtime)
Light:	2 x 26/80 W Oktopus LED floodlight
Transponder navigation system:	e.g. Posidonia

4 Optional connected components (different manufacturers)

Still camera:	high-resolution still camera
Camera flash:	high-intensity Oktopus underwater LED discharge flash
Power supply:	underwater battery (lead or lithium)
Sonar:	Obstacle Avoidance Sonar
Actuators:	thruster (alignment), lowering and triggering mechanical system for small devices
Sensors:	CTD, gyroscope, motion sensor, pressure sensor, altimeter, laser pointer
Samplers:	particle trap, water collector