

# AUTONOMOUS PROFILING FLOAT

OBSERVE THE OCEAN  
IN REAL TIME

GPS & IRIDIUM ANTENNA  
(POSITIONING & COMMUNICATION  
WITH SATELLITE)

OXYGEN SENSOR

SALINITY + TEMPERATURE  
+ PRESSURE SENSOR

pH SENSOR

IRRADIANCE SENSOR

CONTROL ELECTRONIC  
BOARD

BIOGEOCHEMICAL SENSOR  
CHLOROPHYLL a + CDOM +  
BACKSCATTERING

UNDERWATER CAMERA

BUOYANCY FOAM

INTERNAL BLADDER  
OF THE HYDRAULIC SYSTEM  
(BUOYANCY ENGINE)

NITRATE SENSOR

TRANSMISSIOMETER

LITHIUM  
BATTERY

EXTERNAL BLADDER OF  
THE HYDRAULIC SYSTEM  
(BUOYANCY ENGINE)

EXTERNAL COMPONENTS

INTERNAL COMPONENTS

SIZE  
2.55<sub>m</sub>

LIFE SPAN  
5-7  
YEARS

75<sub>kg</sub>  
WEIGHT

MAX. DEPTH  
-2000<sub>m</sub>

