

YOUR SOLUTION FOR BIOGEOCHEMISTRY MEASUREMENTS PROVOR CTS4: AUTONOMOUS PROFILING FLOAT

Developped in partnership with IFREMER - Ifremer and LOV

MORE THAN 160 FLOATS DEPLOYED WITH A TOTAL OF 25,000 PROFILES

RECORD NUMBER OF CYCLES: 561CYCLES WITH CTD DO ECO-FLBBCD OCR504 & **CROVER MEASUREMENTS 455 CYCLES WITH CTD DO ECO-FLBBCD OCR504 MEASUREMENTS**



FIRST FLOAT INCLUDING THE 6 VARIABLES **RECOMMANDED BY BGC-ARGO**

IRIDIUM + GPS + BLUETOOTH ANTENNA

DISSOLVED OXYGEN SENSOR ON MAST (OPTODE DO 4330) MEASUREMENT IN AIR

CTD SENSOR (SBE 41 CP)

SELF-BALLASTED HYDRAULIC ENGINE WITH LARGE OIL VOLUME (3L) DEPLOYABLE IN LARGE DENSITY CONDITION [1008-1035]kg.m3 WITHOUT USER MODIFICATION

HIGH VERTICAL RESOLUTION UP TO 20 CENTIMETERS AS SPATIAL RESOLUTION FROM 2000 METERS UP TO SURFACE

PROGRAMMING FLEXIBILITY CYCLE SCHEME, SAMPLING STRATEGY...

DRIFT RECORDING

ICE DETECTION

MULTISPECTRAL RADIOMETER 3 IRRADIANCE

+ PAR (OCR-504)

CHLOROPHYLL A, BACKSCATTER, CDOM (FLBBCD)



pH SENSOR (SEAFET)



profile Measurement and of

LARGE PAYLOAD CAPACITY **AND POSSIBILITY TO EMBED OTHER SENSOR**

UP TO 6-YEAR LIFE

260 Ah BATTERY PACKS

TIME SERIES OF WMO:6901472 SINCE 23/10/2012 AND STILL ACTIVE **CTD/DO/FLBBCD/OCR-504/SUNA**





density, absolute salinity, refractive index, pressure and temperature NOSS sensor is a unique underwater sensor for in situ refractive index capable and measurement to detect salinity anomalies of sea down 2000 to meters. water

NITRATE SENSOR (SUNA)

SENSOR IN DEVELOPMENT SILICATE AND PHOSPHATE SENSOR



silicate phosphate The and developped electrochemical sensor SenseOcean the of part as two separate cells : project use one for in situ first the complexes of formation



> the second one for the detection phosphomolybdic silico-and of complexes on a gold electrode.

AND OTHER SENSORS TO BE DEVELOPPED...



INSTRUMENTATION www.nke-instrumentation.com info.instrumentation@nke.fr

WMO:6901472 - PROFILE AS 212 00 - 21/06/2018

200

300

3**0**0

200

400

600

800

1000

100

Depth (m)



