

MICROSTAR

DRIFTERS THAT TRACK CURRENTS
WITH A DROGUE AT 1 METER DEPTH



STANDARD FEATURES:

- 8 IN. (20.3 CM)
SPHERICAL SURFACE FLOAT
- SATELLITE TELEMETRY
- GPS POSITIONING
- RADAR REFLECTOR TYPE DROGUE
CENTERED AT 1 METER DEPTH
- DEPLOYMENT STATUS SENSOR
- BATTERY VOLTAGE SENSOR
- DATA ARCHIVAL, MAPPING,
WEB ACCESS

APPLICATIONS:

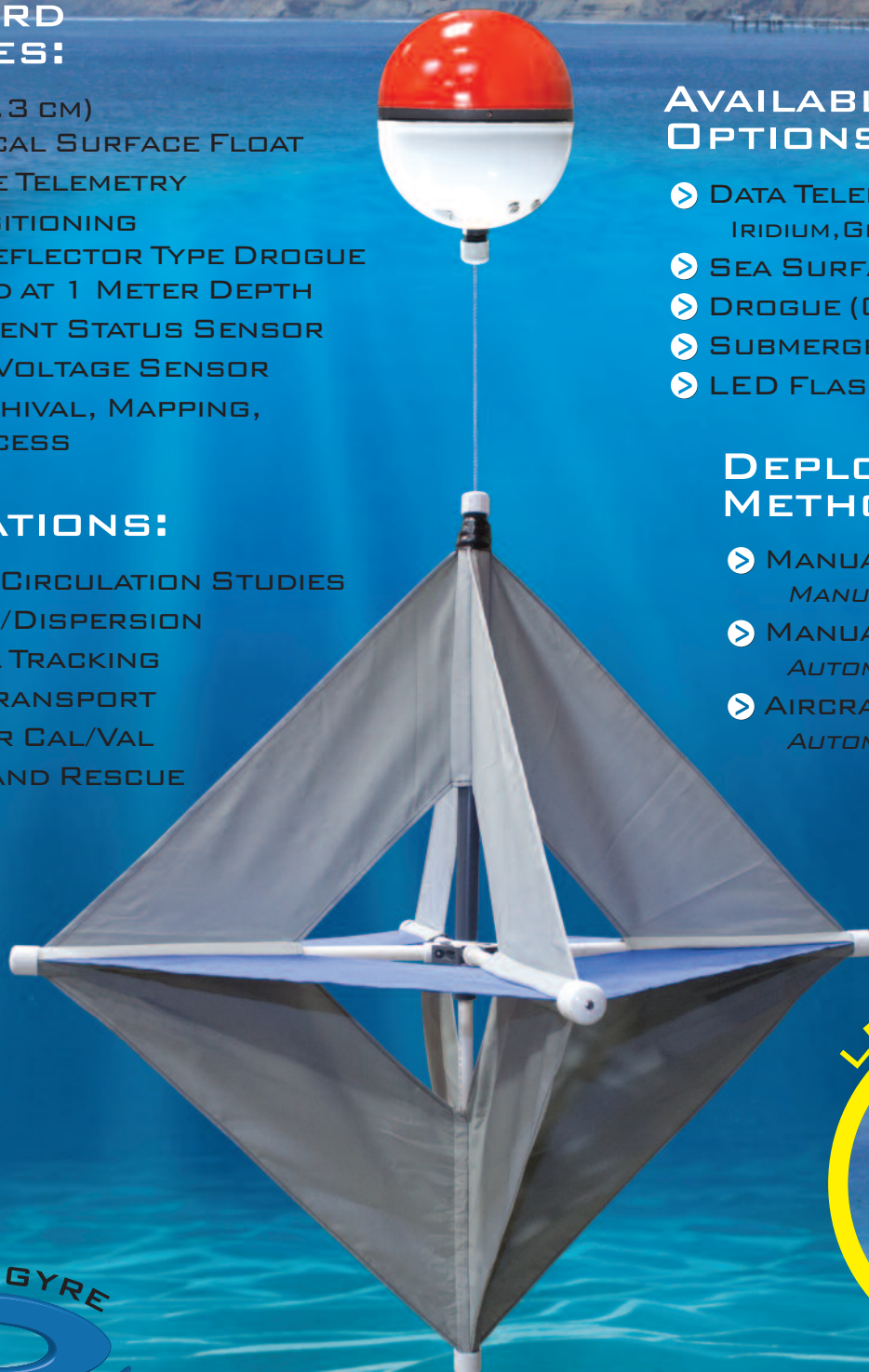
- COASTAL CIRCULATION STUDIES
- OUTFLOW/DISPERSION
- OIL SPILL TRACKING
- LARVAL TRANSPORT
- HF RADAR CAL/VAL
- SEARCH AND RESCUE

AVAILABLE OPTIONS:

- DATA TELEMETRY:
IRIDIUM, GLOBALSTAR
- SEA SURFACE TEMPERATURE
- DROGUE (ON/OFF) SENSOR
- SUBMERGENCE DETECTION
- LED FLASHER

DEPLOYMENT METHODS:

- MANUAL
MANUAL DROGUE OPENING
- MANUAL
AUTOMATIC DROGUE OPENING
- AIRCRAFT
AUTOMATIC DROGUE OPENING



3740 OCEANIC WAY, SUITE 302, OCEANSIDE, CA 92056

T: 760.433.6300 • INFO@PACIFICGYRE.COM • WWW.PACIFICGYRE.COM

MICROSTAR DRIFTER SPECIFICATIONS

GENERAL

TELEMETRY OPTIONS	IRIDIUM SBD W/ IRIDIUM 9602 MODEM GLOBALSTAR SIMPLEX W/ GLOBALSTAR STX-3
STANDARD STATUS SENSORS	BATTERY VOLTAGE GPS QUALITY DEPLOYMENT STATUS (FLOAT IN / OUT OF WATER)
STANDARD BATTERY PACK	1 2V, 1 5AH, ALKALINE
OPTIONAL STATUS SENSORS	INTERNAL SURFACE SPHERE TEMPERATURE DROGUE (ON / OFF)
OPTIONAL ENVIRONMENTAL SENSORS	SEA SURFACE TEMPERATURE (SST) HIGH ACCURACY SST
BUOY LIFETIME	1-12 MONTHS WITH STANDARD BATTERY PACK DEPENDENT ON SAMPLING AND TRANSMISSION RATE
DEPLOYMENT OPTIONS	MANUALLY FROM VESSEL, OIL PLATFORM, ETC. AIRCRAFT

SURFACE FLOAT

DIAMETER	8IN. (20CM)
WEIGHT	5LBS (2.2KG)
MATERIAL	ABS PLASTIC
COLOR	ORANGE/WHITE
POWER SWITCH OPTIONS	MAGNET
PROTECTED SST PROBE	YES
SEA SURFACE TEMPERATURE DEPTH	3.5IN. (9CM)

DROGUE

TYPE	RADAR REFLECTOR SHAPE
DEPTH AT CENTER OF DROGUE	1 METER
LENGTH / WIDTH	48IN. (1 22CM) / 48IN. (1 22CM)
WEIGHT	4.9LBS. (2.2KG) OUT OF WATER
MATERIAL	POLYESTER
DRAG AREA RATIO	GREATER THAN 40
TETHER	1/8IN. SPACE-LAY IMPREGNATED STEEL WIRE ROPE (OPTIONAL) 3/16IN. SYNTHETIC ROPE
DROGUE OPENING OPTIONS	MANUAL AUTOMATIC BY WATER CONTACT

PACKAGING

TOTAL WEIGHT	10LBS. (4.5KG)
CARRY CASE	ZIPPER NYLON BAG

ENVIRONMENTAL SENSOR DETAILS

SST	PACIFIC GYRE PROBE ACCURACY 0.1 DEG C RANGE -5-40°C
HIGH ACCURACY SST	PACIFIC GYRE PROBE, ACCURACY 0.05°C, RANGE -5-40°C



MICROSTAR CARRY CASE
BAG LENGTH: 37IN. (94CM)
MANUAL DEPLOYMENT AND OPENING



MICROSTAR CARRY CASE W/ PARACHUTE
BAG LENGTH: 55IN. (140CM)
AUTO OPENING: - AIR DEPLOYMENT (INCL. PARACHUTE)
- MANUAL DEPLOYMENT (NO PARACHUTE)



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