

MICROSTAR DRIFTER

A LOW-COST CURRENT FOLLOWING DRIFTER DESIGNED TO TRACK CURRENTS AT 1 METER BENEATH THE SURFACE.

TELEMETRY OPTIONS:

- ▶ IRIDIUM SBD
- ▶ GLOBALSTAR SIMPLEX

APPLICATIONS:

- ▶ COASTAL AND SHALLOW CURRENT STUDIES
- ▶ WATER CIRCULATION
- ▶ LARVAL TRANSPORT
- ▶ OIL SPILL MODELS
- ▶ SEARCH & RESCUE
- ▶ HF RADAR CALIBRATION/ VALIDATION
- ▶ OUTFLOW/ DISPERSION

SENSOR OPTIONS:

- ▶ GPS POSITIONING
- ▶ SEA SURFACE TEMPERATURE
- ▶ SUBMERGENCE
- ▶ BATTERY VOLTAGE

DEPLOYMENT OPTIONS:

- ▶ HAND/BOAT
- ▶ AIR DEPLOYMENT



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MICROSTAR SPECIFICATIONS

GENERAL

TELEMETRY	IRIDIUM SBD GLOBALSTAR SIMPLEX
STATUS SENSORS	BATTERY VOLTAGE GPS QUALITY DEPLOYED/NOT DEPLOYED
OPTIONAL ENVIRONMENTAL SENSORS	HIGH RESOLUTION SEA SURFACE TEMPERATURE

SURFACE FLOAT

DIAMETER	8" (20 CM)
WEIGHT	2.4 KG
MATERIAL	ABS PLASTIC
COLOR	ORANGE/WHITE
POWER SWITCH OPTIONS	MAGNET ORIENTATION SENSOR
PROTECTED SEA SURFACE TEMPERATURE PROBE	YES
SEA SURFACE TEMPERATURE DEPTH	4" (10) CM

TETHER

TYPE	1/8" AMSTEEL BLUE ROPE
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DROGUE

TYPE	CORNER RADAR REFLECTOR
DEPTH	1 METER
WEIGHT	2.2 KG (OUT OF WATER)
MATERIAL	POLYESTER
DRAG AREA RATIO	GREATER THAN 40
DEPLOYMENT OPTIONS	HAND/BOAT AIR

ENVIRONMENTAL SENSOR DETAILS

HIGH RESOLUTION	SENSOR TYPE: PACIFIC GYRE THERMISTOR PROBE ACCURACY: 0.05°C RANGE: -5 TO 40°C
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MICROSTAR CARRYING CASE
(FOR AIR DEPLOYMENT, SHOWN)



MICROSTAR W/ PARACHUTE
(FOR AIR DEPLOYMENT, SHOWN)



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