

MicrOBS Specifications

WEIGHT	IN AIR	IN WATER		
MicrOBS	36 kg	-12.5 kg		
MicrOBS + Dead Weight	64 kg	11.5 kg		
SENSORS	HYDROPHONE	GEOPHONE		
Configuration	1 channel	3 axis		
Low frequency cut-off	2 Hz (- 3dB)			
Natural frequency		4.5 Hz	10 Hz	
Sensitivity	-160 dB ref 1V/μPa	22.8 V/m/s	32 V/m/s	85.8 V/m/s
BATTERIES				
Type	Rechargeable Li-Ion 15V/40Ah			
Autonomy	8 days idle + 24 days acquisition			
MEMORY				
Type	Compact Flash Card - 8 GB (Optional 32 GB)			
Autonomy	24 days (@2 ms SR)			
Operating depth	6000 m maximum			
DIMENSIONS				
Base	550 x 550 mm			
Height	720 mm			
Dead weight size (cross shape)	800 x 800 mm			
DATA LOGGER				
Seismic channel	4			
A/D converter (seismic channel)	24 bits			
Sampling frequency	25 to 1000 Hz			
Bandwidth	DC to 0.40 x sampling frequency			
Gain preamplifier	Hydrophone: 0 to 36 dB step 6 dB Geophone: 20 to 56 dB step 6 dB			
Dynamic range	120 dB			
Synchronization interface	DCF77 (from GPS)			
Configuration interface	RS 232 (9600,1,1)			
Date & Time stamped data	Yes			
SIGNAL				
Localization radio signal	VHF radio beacon: 160,725 MHz (Optional 156,625 MHz)			

Note: Sercel reserves the right to change its specifications without prior notice.
All specifications are typical at 20°C

Sercel - France

16 rue de Bel Air
B.P. 30439 - 44474 CARQUEFOU Cedex
Téléphone: (33) 2 40 30 11 81
Fax: (33) 2 40 30 19 48
E-mail: sales.nantes@sercel.com
SAS au capital de 2 000 000 €
Siège Social: 16 rue de Bel Air - 44470 CARQUEFOU
378.040.497 R.C.S. Nantes Code APE 2651B

Sercel Inc. - U.S.A.

17200 Park Row
Houston, Texas 77084
Telephone: (1) 281 492 6688
Fax: (1) 281 579 7505
E-mail: sales.houston@sercel.com
www.sercel.com
© Sercel 07/18



Ahead of the CurveSM