

DSM 500C Deep Sea Motors

Low power, high torque motors where the housing is made in titanium for long time deployments. The motor is oil filled and pressure compensated, and has been tested down to 650 bar. The motor was originally designed for use in systems where power is supplied from battery banks.

Several models are available with different power, torque and speed. All models are brushless servomotors, with different gear ratio.

To reduce risk of noise interference to sensitive echo sounders and other sensitive sensors close by, the motor controller is placed inside the motor. Only DC power and a RS232 control signal is present in the motor cable.

This motor is delivered with standard depth rate of 150 Bar, but are also available in D version rated to 600 Bar.



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Technical specifications:

Size	:	70 x 183 mm (d x l)
Material	:	Titanium GR2
Depth rate	:	150 Bar
Power	:	12 Volt
Interface	:	RS232
Connector	:	Metas MB2S-8
Torque	:	See table below
Speed	:	See table below
Weight	:	2,1 kg
- in water	:	1,3 kg

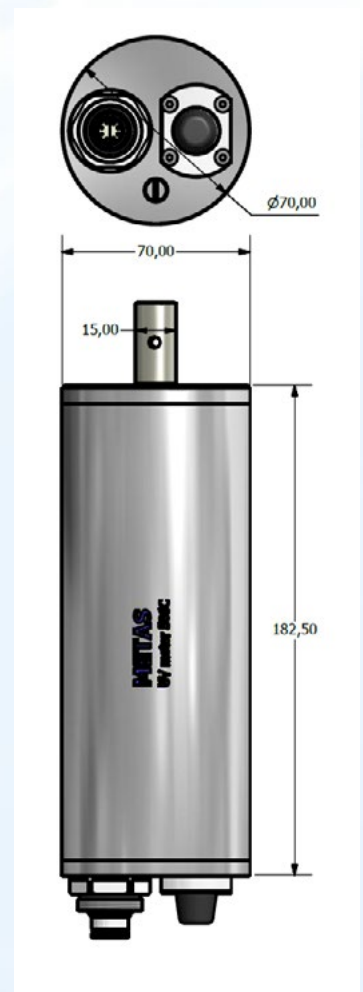
Options:

Depth rate - 600 Bar

Several other types of motors are available according to torque and RPM requirements

All motors are available in 24, or 48 volt version upon request. Max current for these motors is 50 –75% lower than the 12 Volt version.

Software for different applications.



Type	Speed	Max current	Torque
	RPM	Amp	Nm
A1	26	3,6	7,9
A2	98	3,6	2,5
B1	21	4,6	19
B2	69	4,6	3,2

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