



JOINT STOCK COMPANY

**CONCERN MORINFORMSYSTEM-AGAT**

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# MFHS

## MULTIFUNCTIONAL HYDROACOUSTIC SYSTEM

### MAIN SPECIFICATIONS

#### Operating frequency:

Sector scan sonar.....	100 kHz
Side scan sonar.....	135 kHz
ISSS.....	135 kHz
MBES.....	720 kHz

#### Detection range:

Sector scan sonar.....	500 m
Side scan sonar.....	500 m
ISSS.....	300 m
MBES.....	50 m

#### Angular resolution:

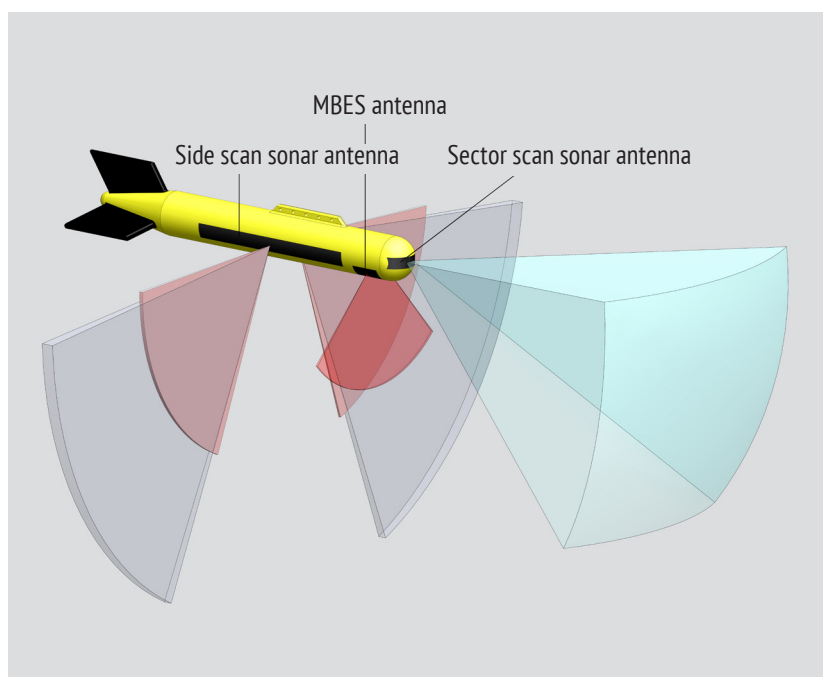
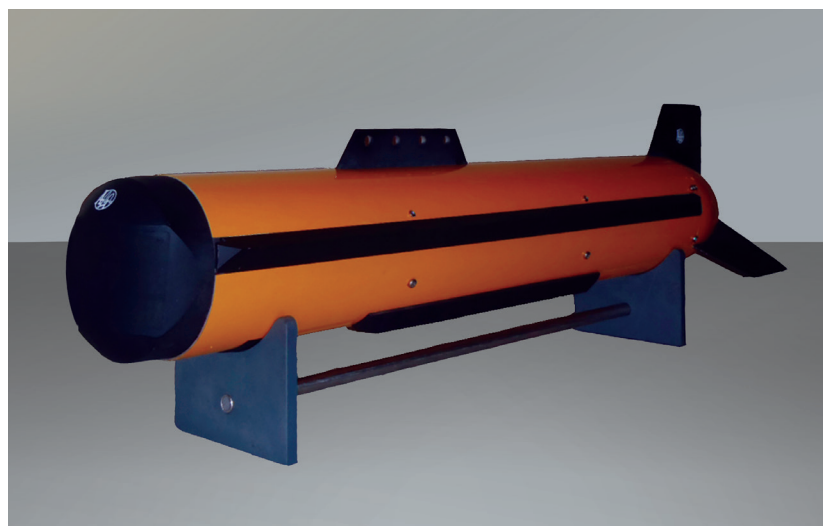
Sector scan sonar.....	5.5 degrees
Side scan sonar.....	0.5 degrees
ISSS.....	1 degree
MBES.....	1 degree
Range resolution .....	6 cm
Sea floor topography inaccuracy.....	0.5 m
Overall dimensions....	∅190×1350 mm
Interface.....	Ethernet
Interface.....	Ethernet
Interface.....	Ethernet
Maximum operating depth .....	200 m

### SPECIAL FEATURES

Integral sea floor scanning image.

Early detection of navigational threats.

Data processing and graphical display procedures are performed on the protected portable computer.



Multifunctional Hydroacoustic System (MFHS) is designed for navigation, surveying and search works.

#### MFHS includes the following units:

- sector scan sonar
- side scan sonar
- interferometric side scan sonar (ISSS)
- multibeam echo sounder (MBES).