

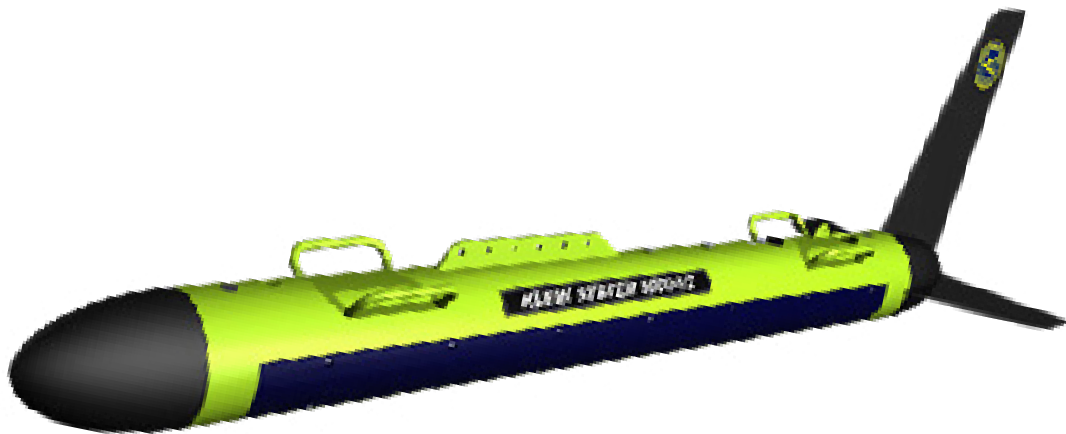
SONAR KLEIN 5000

MULTI-BEAM SIDE SCAN SONAR

The Klein 5000 was the first commercial sonar system to employ cutting-edge multi-beam, side scan technology. In the years since it was first introduced, we've been continuously working to make improvements in all aspects of its technology. Now, in keeping with our long, undisputed record of providing the best high-resolution imaging in the industry, we're proud to introduce the new L-3 Klein 5000 V2.



For more informations, please flash this code and visit our web site.



KEY FEATURES

- Long-range reconnaissance mode up to 250 meters
- High speed with 100% bottom coverage
- Highest resolution, multi-beam technology of any commercial side scan sonar
- Phase differencing swath bathymetry
- Rugged stainless steel construction — built like a tank...not like a toy
- 500 meter depth rating (200m with bathymetry option)

APPLICATIONS

- Surface Mine Counter Measures (SMCM) and Q-route surveys
- Port and harbor security
- Hydrographic surveys
- Geophysical surveys
- Pipeline and offshore survey
- AUV version available



JIFMAR OFFSHORE SERVICES
120, av Napoléon Bonaparte
13100 Aix-en-Provence
Tél. (+33) 4 86 82 03 60
Fax (+33) 4 13 94 08 29
www.jifmar.com

©2016 - No part of this leaflet may be reproduced in any form without written permission from Jifmar Offshore Services. This leaflet may be updated without advance notice.



SONAR KLEIN 5000

MULTI-BEAM SIDE SCAN SONAR

GENERAL SPECIFICATIONS

ARRAY LENGTH	120 cm (47.2 in)
BODY LENGTH	194 cm (76.4 in)
BODY DIAMETER	15.2 cm (6 in)
WEIGHT	70 kg (155 lbs)
DEPTH RATING	500 m standard, 200 m with Bathymetry option

MULTI BEAM SIDE SCAN SONAR SPEC

NUMBER OF BEAM	5 port & 5 starboard
FREQUENCY	455 kHz
PULSE TYPE (CW/FM)	50 µsec CW, 4, 8, 16 msec Chirp
RESOLUTION (along track)	10 cm at 38 m, 20 cm at 75 m, increasing to 36 cm at 150 m and 61 cm at 250 m (in the Reconnaissance Mode)
RESOLUTION (across track)	3.75 cm at all pulse lengths
OPERATING SPEED ENVELOPE	2 to 10 knots at 150 m
MAXIMUM OPERATING RANGE	250 m (500 m swath) in Reconnaissance Mode
TOWFISH SENSOR: HEADING PITCH & ROLL PRESSURE ALTIMETER	Standard

PHASE DIFFERENCING BATHYMETRIC SPEC

NUMBER OF BEAM	Single beam (one per side)
FREQUENCY	455 kHz
PULSE TYPE (CW/FM)	FM maximum 16 msec Chirp
RESOLUTION (along track)	0.4°
MAXIMUM RANGE	125 m nominal
DATA OUTPUT	Generic Sensor Format (GSF)

TRANSCIVER PROCESSOR UNIT (TPU)

WIDTH	Standard 19-in rack-mount
HEIGHT	13.2 cm (5.2 in)
DEPTH	54.6 cm (21.5 in)
WEIGHT	12.7 kg (28 lbs)
INPUT VOLTAGE	115/240 VAC, 50/60 Hz
POWER	120 W
DATA OUTPUT	100 BaseT Ethernet LAN

WORKSTATION PC

Workstation PC	
SonarPro® installed	Optional, with SonarPro software installed
Windows OS installed	

SONAR IMAGES

