

## Side Scan Sonar

Merk	:	Edgetech 4125
Kelengkapan	:	<ul style="list-style-type: none"> <li>• 4125-P Portable Topside Processor</li> <li>• Towfish 4125</li> <li>• Tow Cable</li> <li>• Laptop berisi perangkat lunak Discover 4125</li> <li>• Kopor untuk tiap peralatan</li> </ul>
Fungsi	:	<ul style="list-style-type: none"> <li>• Survei untuk mencitrakan dasar laut pada perairan dangkal</li> <li>• Survei pencarian obyek di dasar laut pada perairan dangkal</li> </ul>

### Spesifikasi

#### Spesifikasi 4125 Topside Processor

Item	Spesifikasi
Size	19.0 cm (7.3 in.) Tinggi 49.0 cm (19.2 in.) Panjang 39.0 cm (15.2 in.) Lebar
Weight	13.2 kg (29 lbs.) (dengan laptop computer) 10 kg (22 lbs.) (tanpa laptop computer)
Operating Temperature	-0 – 40°C (32–104°F)
Storage temperature	-20–60°C (-4–140°F)
Operating relative humidity	0–80% (non-condensing)
Non-operating storage relative humidity	0–100%
AC input power:	90–260 VAC, 50/60 Hz, 72–110 watts operating, auto switching 0.7 A/1.3 A at 120 VAC idling/operating 0.3 A/0.56 A at 240 VAC idling/operating
DC input power:	12–24 VDC, 72 watts operating 4.3 A/6.0 A at 12 VDC idling/operating 2.4 A/3.3 A at 24 VDC idling/operating
Power to towfish	75 VDC at 1.7 A max
Towfish interface	VDSL Modem link
<b>Data Logging</b>	
Processor	Intel Pentium M 730, 2.4 GHz
Memory	2 GB
Data storage	500 GB SATA, 6.0 Gb/s
Display	15.4-inch LCD
Wireless ETHERNET	Centrino 802.11b
Keyboard	Laptop keyboard

Pointing device	Laptop mouse pad
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## Spesifikasi 4125 TowFish

Item	Spesifikasi
<b>Size</b>	114.8 cm (45.2 in.) long; 9.6 cm (3.75 in.) diameter
<b>Weight in air</b>	20.4 kg (45.0 lbs.)
<b>Weight in salt water</b>	14.4 kg (31.6 lbs.)
<b>Construction</b>	Stainless steel
<b>Depth rating</b>	200 m (656 ft.)
<b>Maximum tow cable length</b>	600 m (loop resistance cannot exceed 14 ohms). Contact EdgeTech Customer Service for the specific cable types.
<b>Tow cable conductors</b>	RG-58 coax
<b>Kevlar tow cable breaking load</b>	545 kg (1200 lbs.)
<b>Input power</b>	75 VDC, 50 watts maximum
<b>Towing speed</b>	1–8 knots
<b>Shear force</b>	420 kg (930 lbs.)
<b>Frequencies</b>	400/900 kHz
<b>Pulse type</b>	CHIRP
<b>Data interface</b>	VDSL
<b>Operating range</b>	150 m (400 kHz), 75 m (900 kHz)
<b>Across track resolution</b>	2.3 cm (400 kHz), 1.0 cm (900 kHz)
<b>Along track resolution</b>	80 cm @ 100 m (400 kHz), 40 cm @ 50 m (400 kHz), 20 cm @ 25 m (400 kHz) 24 cm @ 50 m (900 kHz), 12 cm @ 25 m (900 kHz)
<b>Horizontal beam width</b>	0.46° (400 kHz) 0.28° (900 kHz)
<b>Vertical beam width</b>	50°
<b>Side lobes</b>	<-36 dB
<b>Transducer array depression angle</b>	Factory set at 33°, adjustable to 25
<b>Operating temperature</b>	0–45°C (32–113°F)
<b>Heading accuracy</b>	1.0° RMS
<b>Heading resolution</b>	0.1°
<b>Pitch and roll accuracy</b>	0.1°
<b>Pitch and roll resolution</b>	0.1°
<b>Pressure sensor accuracy</b>	0.5% of depth when calibrated for 0 m
<b>Pressure sensor working depth</b>	0–200 m
<b>Pressure sensor tolerance</b>	>200 m
<b>Navigation interfaces</b>	RS-232, NMEA0183

## Spesifikasi Tow Cable kevlar

Item	Spesifikasi
Panjang	50 m
Bahan	RG58 Coaxial Cable with Kevlar protection

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