

Side Scan Sonar

Merk	:	Edgetech 4200 MP
Kelengkapan	:	<ul style="list-style-type: none"> • Tow Fish 4200 MP • 701-DL Digital Link Deck Unit • Tow Cable • Sayap Tow Fish • Tas toolkit dan perlengkapan kabel • Kotak kayu untuk Tow fish
Fungsi	:	<p>Mempunyai banyak penggunaan yang potensial seperti</p> <ul style="list-style-type: none"> • Penelitian Perikanan • Penanggulangan tambang • Survei hidrografi • Survei jalur kabel dan pipa • Survei pengkondisian/pembersihan channel • Survei Geo-hazzard • Survei geologi/geofisika • Route surveys • Survei arkeologi • SAR (Search and Rescue)

Spesifikasi

Spesifikasi 4200 Tow Fish

Item	Spesifikasi
Size	125.6 cm (49.5 in.) Long 11.4 cm (4.5 in.) diameter
Weight	48 Kg (105 lb) in the air 36 Kg (80 lb) in the salt water
Contruction	Stainless Steel
Maximum tow cable	6000 m (19680 ft) contact EdgeTech for cable type vs length
Tow cable type	Coaxial
Depth rating	2000 m (6560 ft)
Shear pin type	8 mm (5/16 in.) Delrin rod
Shear Force	544 Kg (1200 lb)
Frequency	300 / 600 kHz
Modulation	Full spectrum chirp frequency – modulated pulse with amplitude and phase weighting
Expd Operating ranges (per side)	230 m (300 kHz) 120 m (600 kHz)

Output pulse energy	3 j (300 kHz) 1 j (600 kHz)
Pulse length	Up to 12 ms (300 kHz) Up to 5 ms (600 kHz)
Digital link	4 Mbits/sec (typical), 4 channel of side scan data plus sensor data
Across track resolution	3 cm (300 kHz) 1.5 cm (600 kHz)
Along track resolution	1.3 m @ 150 m (300 kHz) 0.45 m @ 100 m (600 kHz)
Horizontal beam width	HDM : 0.28° (300 kHz) 0.26° (600 kHz) HSM : 0.54° (300 kHz) 0.34° (300 kHz)
Transducer array depression angle	26° downward
Dynamic range	24 bits
Vertical beam width	50°
Maximum towing speed while meeting NOAA and IHO-44S specifications of 3 pings on a 1-meter cubed target at 100 meters	HDM : 4.8 Knots HSM : 9.6 Knots
Maximum safe towing speed	12 knots
Operating temperature	0 - 45°C (32-113°F)
Heading accuracy	<1.5° RMS
Heading resolution	0.1°
Pitch and Roll accuracy	±0.4°
Pitch and Roll resolution	0.1°
Pitch and Roll repeatability	0.2°
Optional sensor port	RS232
option	Magnetometer antar muka Pressure sensor

Spesifikasi 701-DL Digital Link

Item	Spesifikasi
Non-operating storage relative humidity	0 – 100%
Input voltage	90 – 260 VAC, 50/60 Hz, auto switching
Input power	~120 W
Power to tow fish	400 VDC
External trigger	5 VDC TTL positive or negative leading edge triggered, selectable in Discover software
I/O Ports	(1) Ethernet (1) Trigger (BNC)

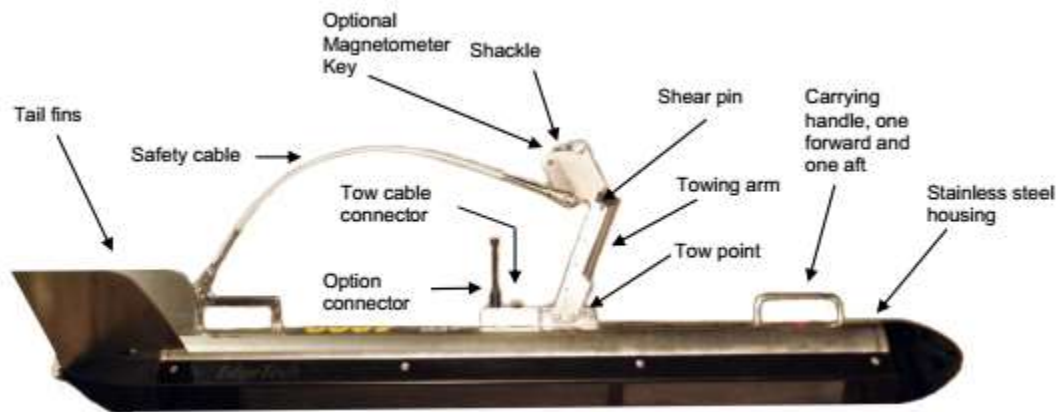
Spesifikasi Tow Cable kevlar

Item	Spesifikasi
Panjang	~ 60 m
Bahan	RG58 Coaxial Cable with Kevlar protection

Side Scan Sonar Edgetech 4200



Tow Cable

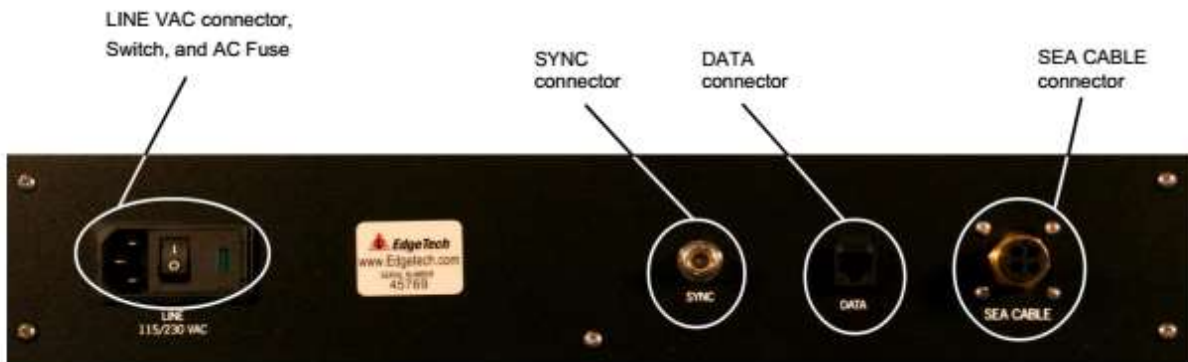


Tow Fish 4200 MP



LAN, LINK, FISH POWER
and POWER indicators

POWER Switch



LINE VAC connector,
Switch, and AC Fuse

SYNC
connector

DATA
connector

SEA CABLE
connector

701-DL Digital Link