



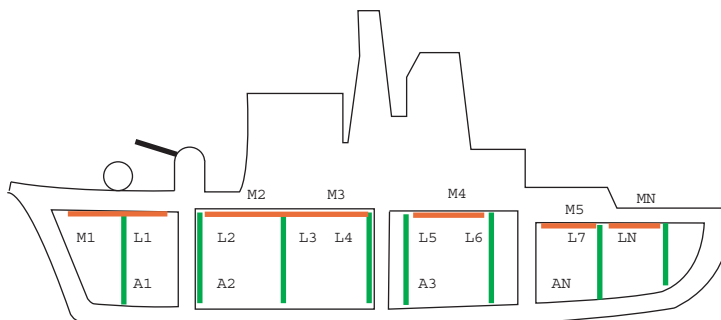
Advanced Degaussing Systems For The Future Available Today

The Polyamp Digital Control ADG MkII using the Polyamp decentralized Bipolar Amplifier LCA550® have revolutionized the market. The implementation of an ADG system is now significantly simpler by reducing the overall weight as well as cost compared to competing centralized cabinet based systems.

Possible Multiple magnetometer control as well a modularized Degaussing Control Unit with distributed Bipolar amplifiers enable outstanding magnetic signature control.



A full ADG system for a MCM vessel as well as a steel hulled vessels up to the size of OPV's can be achieved by using significant less amount of DG equipment



Polyamp Degaussing Systems Specifications

The Polyamp ADG system MKII fits for any Naval non magnetic hulled MCM vessel and steel hulled OPV vessels with up to typically 60 meters.
Equipment specifications are as below:

DEGAUSSING CONTROL UNIT DCU



Size & Weight	576x568x470 mm 30 kg
Supply	1x115/230Vac or DC supply
In- & output available	Magnetometer Data Ethernet Gyro/GPS Ethernet BPAU control & status data of the DG
Software and Features	QNX RTOS in Control Operators interface (OI) in WinX under C# Up to 43 Hz update of BPAUs currents Parameters in BPAUs Magnetic Map Hull/Coil compensation Fault managements Sensor Measurements ADG Operating manual
Hardware	cPCI, Intel x86 CPU Ruggedised Operators interface or S/W Window in workstation

BIPOLAR AMPLIFIER UNITS BPAUs



Size & Weight	100x 651x225 mm 9,6 kg
Supply and power	3x 400/440Vac 0.7 kVA Efficiency > 80%
Current Output & Accuracy	±5A @110V max 550VA total Accuracy >99.6%
DG Coil Current updates	Up to 43 times / second through the DCU control
Coil Load	1-11Ω, 0-300mH
Control & Data out	RS485 control Data out as I, U, temperature, and alarms

DEGAUSSING CONTROL UNIT DCU



Size & Weight	316x 230x276 mm 6 kg
Type & Range	3 axis unit 0 - ± 200 μT with 6nT resolution
Output Data & accuracy	Digital RS485 Fault <0.5% (typically)

BIPOLAR AMPLIFIER UNITS BPAUs



Size & Weight	280x 236x164 mm 3.5 kg
MMI and Control	2x16 character LCD Manual Control using Course Knob Heading / Current switch
In-/Output Data	Digital OPTO cable to DCU Course steps of 0.5°

ALL APPLICABLE DG PARTS HARMONIZES WITH FOLLOWING STANDARDS:

Shock & Vibration	EMC	Electric	Electrical Safety	Temperature	Humidity	Inclination
MIL-STD-901 MIL-STD-167/1	MIL-STD-461F	MIL-STD-1399 section 300	EN60950, EN 50178, EN 61010, UL1950, CSA 22.2-950	0-50 °C MAG: -25 to +85 °C	0-90% non condensing (MAG: 0-100%)	Up to 45° in all directions

Specification can be changed without further notice. © Polyamp AB, 2014

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