



**KMS Technologies**

**KJT Enterprises Inc.**

6420 Richmond Ave, Suite 610

Houston, Texas 77057, USA

Tel.: 713.532.8144

Fax: 832.204.8418

[www.KMSTechnologies.com](http://www.KMSTechnologies.com)

## **KMS MIC-121 Marine Induction Coil Technical Specs**

<b>KMS MIC-121 Marine Induction Coil Technical Specs</b>	
Frequency Range	0.0001Hz – 500 Hz
Shape of transfer function	Linear - Flat
Transfer function corner frequency	1 Hz
Output Sensitivity at the flat part	200 mV/nT
Output Sensitivity at the linear part	200*f mV/nT/Hz
Auxiliary output gain	-20 dB
Magnetic noise level	
• at 0.0001 Hz	≤ 16000 pT/√Hz
• at 0.001 Hz	≤ 600 pT/√Hz
• at 0.01 Hz	≤ 60 pT/√Hz
• at 1 Hz	≤ 0.6 pT/√Hz
• at 100 Hz	≤ 0.05 pT/√Hz
Output Voltage Range	+/- 2.5 V
Function	Induction coil with magnetic field feed back
Length of connecting cable	≤ 10 m
Supply Voltage	±(5 <sup>+0.5</sup> <sub>-0.1</sub> ) V
Current Consumption	+20 mA -14 mA
Weight	~ 4.5 kg (in air)
External Dimensions	Length: 600 mm, Diameter: 85 mm
Operating Temperature	-10 °C – +50 °C