

DIAMAGS SPEED DATASHEET

Manufacturer	ITEL Telecomunicazioni S.r.l.
Product name	Diamags Speed
Design	
Brief description	Diamags Speed is a patented high performance active compensation system of magnetic field fluctuations. It shields any type of MR systems against environmental AC/DC magnetic interferences generated by subways, trains, elevators, moving metal, electrical distribution equipment causing unacceptable image quality. Due to such interferences many potential MRI sites are rejected.
Size	14x8x9 in 356x203x228 mm
Package size	17.7x17.7x17.7 in 450x450x450 mm
Power supply	100÷250 Vac 50/60 Hz
Frequency range compensation	DC (0÷5Hz) AC (16÷300Hz)
Amplitude range compensation	Up to ±500mG
Compensation resolution	0.003% of FS
Residual magnetic field	<1 mG pk-pk for all disturbances (Attenuation Factor 54 dB)
ADC resolution	24 bit for more performing corrections
Options	Ability to compensate multiple sources (multi-channel system) on all three axes
Max. current	2A
Connections	Ethernet (Remote Control), USB (Firmware Update)
Environmental conditions of use	32÷104 °F 0÷40°C 15÷85 % RH
Accessories	Range of Flux Gate Sensor 250μT, 500μT or 1000μT Coils designed according to the size of the MRI room
Compatibility with all MR systems	It can be installed on any type of MRI system 0,12÷7 T, Hybrid System or Electron Microscopy
CE marking	CE EMC 2014/30/UE 2016
Datasheet Ver.	2.0.3
Warranty	1 year