



TRANSFORMING MRI RAMP OPERATIONS VOYAGER

Experience the power of Voyager and discover how it can elevate your operations to the next level.

WHY CHOOSE VOYAGER?

Voyager significantly reduces ramp operation time, operational risk, and overall cost for MRI service providers. With its high power capability, advanced safety mechanisms, automated workflows, and user friendly industrial HMI, Voyager improves system readiness, minimizes downtime, and enhances workflow efficiency.

Designed for real world service environments, Voyager includes built in diagnostics, transportation test software, and a field replaceable unit architecture that allows maintenance without returning the system. Whether handling routine ramp operations or complex high demand magnet scenarios, Voyager provides a reliable, scalable, and future ready solution that gives your business a clear competitive advantage.



Efficiency, Precision, and Flexibility

Voyager represents a new standard in MRI magnet ramping. Designed based on real field experience, it combines high power performance with advanced safety and automation features to deliver efficient, precise, and flexible ramp operations across a wide range of MRI systems.



Siemens, Philips, GE, and Canon

As a true multivendor magnet power supply, Voyager is fully compatible with Siemens, Philips, GE, and Canon MRI systems. By replacing multiple OEM specific ramp tools with a single universal solution, Voyager simplifies logistics, reduces equipment costs, and streamlines daily operations for service providers.

VOYAGER

Key Features

1



Universal Compatibility

A single power supply designed to work across multiple MRI platforms. Voyager supports Siemens, Philips, GE, and Canon systems, allowing service teams to standardize ramp operations and eliminate the need for multiple OEM specific tools.

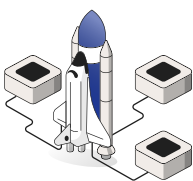
2



Efficiency Redefined

Voyager includes a built in active accelerator that enables fast and controlled ramp down operations. This reduces total ramp time, minimizes helium loss, and helps lower operational costs while maintaining full control throughout the process.

3



Automation & Remote Control

Voyager supports automated ramp procedures with direct teslameter integration. Ramp operations, monitoring, diagnostics, and troubleshooting can be performed remotely, reducing the need for deep on site ramping expertise and improving overall workflow efficiency.

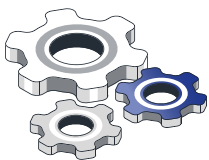
4



Automated Frequency Parking

Voyager natively supports automated frequency parking, a critical requirement for modern magnet platforms. By eliminating manual intervention, this feature improves repeatability, reduces the risk of operator error, and ensures precise frequency control during ramp operations.

5



High Power Performance

Built around a 10 kW industrial power supply, Voyager delivers up to 1000 A at 10 V. This high power capability makes it suitable for demanding applications, including new generation GE PM and AR series magnets that require aggressive and stable ramp profiles.

6



Power Failure Safety

In the event of a power failure, Voyager automatically engages high power shorting relays that safely dissipate energy through the ramp cables. An external shunt enables high precision current monitoring during these scenarios, ensuring controlled behavior and protecting both the magnet and the power supply unit.

Kit Includes

○ PART	QTY	OEM
● Voyager Main Unit	1	Common
● Transportation Test Plug	1	Common
● Positive Ramp Cables	2	Common
● Negative Ramp Cables	2	Common
● M6 Pressure Sense Hose	1	Common
● 380 VAC, 16A, 3 Phase Power Cable	1	Common
● 200VAC to 380VACVAC Step Up Transformer	1	GE
● GE Std Heater Cable	1	GE
● GE Direct Heater Cable	1	GE
● GE HM /UA/PM Magnet Heater Cable	1	GE
● GE Lead Voltage Sense Cable	1	GE
● GE Rigid Ramp Probes	2	GE
● GE Ramp Probe Valve	2	GE
● GE Hold Down Tool R/HM	1	GE
● GE 200VAC,32A Power Cable	1	GE
● Philips Flex Ramp Lead	2	Philips
● Philips Flex Ramp Lead Elbow	2	Philips
● Philips Rigid Ramp Lead (optional)	2	Philips
● Philips Heater Cable	1	Philips
● Philips Lead Voltage Sense Cable	1	Philips
● P3 to Grey Andersen Converter	1	Siemens/Canon
● P3 to Blue Andersen Converter	1	Siemens/Canon
● Andersen Blue to Gray Converter	1	Siemens/Canon
● Amira Andersen Converters	1	Siemens
● Siemens Std Heater Cable	1	Siemens/Canon
● Axess60 Heater Cable	1	Siemens
● OR70 Heater Cable	1	Siemens
● Siemens Lead Voltage Sense Cable	1	Siemens
● OR122 Z2 Heater Power Supply	1	Siemens
● OR122 Z2 Heater Cable	1	Siemens
● OR122 Z2 Heater Power Supply Power Cable	1	Siemens
● Siemens Power Cable Converter	1	Siemens
● OR76 Heater Cable	1	Canon
● TN150 Heater Cable	1	Canon

Compatibility List

Siemens Magnet Type	Philips Magnet Type	GE Magnet Type	Canon Magnet Type
OR60	Flint 1.0T	SIV / SV Fixed	TN150
OR70	Flint 1.5T	LCC YR Series	OR76
OR92	HFO 1.0T	LCC R/RA Mobile	OR97
OR93	Zebra 1.5T	LCC R/RA Fixed	OR200
OR97	F2000	LCC RD Series	
OR98	Ludwig 1.5T	MR450 LCC R	
OR99	Rex XR 1.5T	MR450w HM	
OR103	Rex 3.0T	MR750w UA	
OR105	Mozart 3.0T	LCC300 W/WB	
OR122	Gecko 1.5T	Platform	
OR124		Platform (PM)	
		Ares (AR)	

Specification List

● Input Voltage / freq	-	280VAC or 400VAC (50/60Hz)
● No of Phase	-	3 Phase + N + Protective Ground
● Dropout voltage	V	175V / 355V
● Input current	A	16A max
● Power factor	-	0.88 Passive
● Leakage current	mA	3.5 max
● Input protection	-	Circuit Braker
● Phase Imbalance	%	<5 on Three Phase Input
● Max. line regulation c.v	-	0.1% of FS from Io min. to Io max
● Max. line regulation c.c	-	0.1% of FS from Vo min. to Vo max
● Max. load regulation c.v	-	0.1% of FS from Io min. to Io max
● Max. load regulation c.c	-	0.1% of FS from Vo min. to Vo max
● Temp. drift c.v	-	+/-0.05% of Full Scale over 9 hours after 30 min. warm up. Constant line, load and temperature.
● Temp. drift c.c	-	+/-0.05% of Full Scale over 9 hours after 30 min. warm up. Constant line, load and temperature.
● Stability c.v	PPM/C	200 (0.02% Full Scale)/Degree C
● Stability c.c	PPM/C	200 (0.03% Full Scale)/Degree C
● Output noise p-p c.v	mV	60
● Ripple r.m.s. c.v	mV	20
● Ripple 10kW c.c	mA	%0.5
● OCP	%	0-100
● OCP Type	-	Constant current
● Short circuit protection	-	Yes
● Foldback protection	-	Output shut down
● OVP Type	-	Inverter shut down
● OVP trip point	V	0.05 x Rated Output Voltage
● Over temp. protection	-	Shut down when internal temperature exceeds safe operating levels.
● Phase Loss Protection	-	Yes
● Cooling		Fan driven, air from Front to Rear
● Weight	Kg	120
● Dimensions (mm)	W x D x H	580 x 1000 x 950