

iX and i Series II Power Systems

3-15 kVA Programmable
Ac and DC
Power Source Analyzer

Combination AC and DC Power Source and Power Analyzer

Replaces multiple instruments with a single multifunction unit

3000 VA - 15000 VA of Output Power Capable of handling a wide range of loads with 0 to 1 power factor

Arbitrary Waveform Generation

User defined voltage waveform and distortion programming

Built-in Digital Power Analyzer

Analyze frequency and time from all proves
both voltage and current on all proves

Scope Capture Capability

Built in voltage and curely

waveform acquirition

capability (iX Series I)

EN61000-3-2 and EN61000 3

Meets source requirements

Harmonics and Flicker testing

Powerful Programing Software
Powerful, yet easy to use, program-

Avionics test software).

Provides additional current at lower voltages (See current voltage curve)

Intergrated System

The iX Series II represents a new general property of AC and DC power source that addresses increasing demands on test equipment to perform more functions at a lower cost. By combining a flexible AC/DC power source with a high performance power analyzer, the iX Series II systems are capable of handling complex applications that have traditionally required multiple instruments.

The sleek intervaled approach of the iX Series II avoids the cable clutter that is commonly found in AO test systems. The i/iX Series II is rackmountable with a 4U chassis design. All some cross are made internally and the need for external digital multimeters, power harmonies analyzer and current shunts or clamps is completely eliminated.

Using a state of the art digital signal processor in conjunction with precision high resolution A/D convergers, the iX Series II provides more accuracy and resolution than can be found in some dedicated harmonic power analyzers. Since many components in the iX Series Manager analyzer, the total cost of the integrated system is less than the typical cost of a multiple unit system.

For less demanding applications, the *i* Series II provides similar output and transient applications as the *i*X Series II, as well as basic measurements.

Easy To Use Controls

Both the *i*X Series II and *i* Series II are microprocessor controlled and can be operated from an easy to use front panel keypad. Functions are grouped logically and are directly accessible from the keypad. This eliminates the need to search through various levels of menus and/or soft keys.

A large analog control knob can be used to quickly slew output parameters. This knob is controlled by a dynamic rate change algorithm that combines the benefits of precise control over small parameter changes with quick sweeps through the entire range.

Applications

With precise output regulation and accuracy, the *i*X Series II AC and DC sources address many application areas for AC and DC power testing. The *i*X also provides a high load current capability, multi or single phase output modes, and built-in power analyzer measurements. Additional features including line distortion simulation (LDS), arbitrary waveform generation, and programmable output impedance address requirements for product quality and regulatory compliance testing.

To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc. Click here>> www.raeservices.com/services/quote.htm

(and i Series II - Multi-Function and Multi-Use

Product Evaluation and Test

Increasingly, manufacturers of electronic equipment and appliances are required to fully evaluate and test their products over a wide range of input line conditions. The built-in output transient generation and readback measurement capability offers the convenience of an easy to use and integrated test system.

Avionics

With an output frequency range to 1000 Hz, at up to 150 VRMS, the *i*X Series II is well suited for aerospace applications. Precise frequency control and accurate load regulation are key requirements in these applications. The standard IEEE-488 control interface and SCPI command language provide for easy integration into existing ATE systems. Since the *i*X Series II can eliminate the need for several additional pieces of test equipment and only occupies 7 inches of rack space (4U), it significantly saves cost and space. Options are available for popular avionics test routines such as: *DO-160*, *ABD-0100*, *MIL-STD-704A-F*, and Boeing 7E73B-0147.

Regulatory Testing

As governments are moving to enforce product quality standards, regulatory compliance testing is becoming a requirement for a growing number of manufacturers. The *iX* Series II is designed to meet AC source requirements for use in Euronorm EN 61000 compliance testing. For flicker testing, the programmable output impedance capability of the 3001*iX*, 5001*iX* and 15003*iX* can be used to create the required IEC 725 reference impedance. Run IEC 61000-4-11, IEC 61000-4-14 and IEC 61000-4-28 test programs

Multi-Box Configurations

For high power applications, two or three 5001i/X chassis can be



combined to provide 10 to 15 kVA of single or three phase power.

A 9003iX, 15003iX or 15003i three phase configuration can be ordered with the MODE-iX option. This option allows automatic switching between single or three phase output mode. In single phase mode, all current is available on phase A.

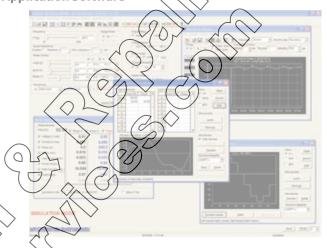
High Crest Factor

With a crest factor of up to 5:1, the *i/iX* Series II AC source can drive difficult nonlinear loads with ease. Since many modern products use switching power supplies, they have a tendency to pull high repetitive peak currents. The 5001*iX* can deliver up to 110 Amps of repetitive peak current to handle such loads.

Remote Control

Standard IEEE-488 and RS232C remote control interfaces allow programming of all instrument functions from an external computer. The popular SCPI command protocol is used for programming. Drivers for several popular instrumentation programming environments are available to facilitate systems integration of the *i/iX* Series II. Instrument drivers for popular programming environments such as National Instruments LabView™ are available to speed up system intergration.

Application Software

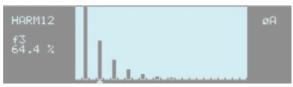


Windows application software is included with the *i*X and *i* Series V. This software provides easy access to the power source's capabilities without the need to develop any custom code. The polowing functions are available through this GUI program:

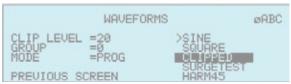
- Steady state output control (all parameters)
- Create, run, save, reload and print transient programs
- Generate and save harmonic waveforms [iX only]
- Generate and save arbitrary waveforms [iX only]
- Download data from a digital storage oscilloscope [iX only]
- Measure and log standard measurements
- Capture and display output voltage and current waveforms [iX only]
- Measure, display, print and log harmonic voltage and current measurements [iX only]
- Display IEEE-488 or RS232C bus traffic to and from the AC Source to help you develop your own test programs.
- 1. Requires PC running WindowsXP™ or Windows 2000™.

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iX and i Series II - Waveform Generation



Harmonic waveform, Fund., 3rd, 5th, 7th, 9th, 11th and 13th.

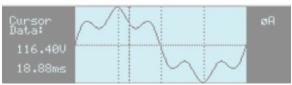


Two hundred user defined waveforms.

Harmonic Waveform Generation

Using the latest DSP technology, the *i*X Series II controller is capable of generating harmonic waveforms to test for harmonics susceptibility of a unit under test. Included is a Graphical User Interface program that can be used to define harmonic waveforms by specifying amplitude and phase for up to 50 harmonics. The waveform data points are generated and downloaded by the GUI to the AC source through either the IEEE-488 or RS232C bus and remain in nonvolatile memory. Up to 200 waveforms can be stored and given a user defined name for easy recally

The three phase configuration iX Series II offers independent waveform generation on each phase allowing three phase anomalies to be programmed. It also allows simulation of unbalanced varmonic line conditions.



Harmonically distorted waveform.

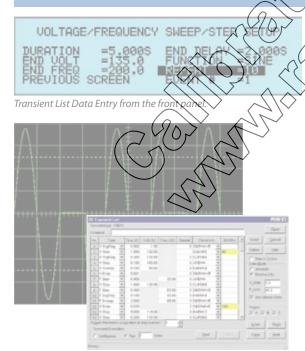
Arbitrary Waveform Generation [iX Series II only]

tion

Using the provided GU program or custom software, the user also has the ability to define arbitrary AC waveforms. The arbitrary waveform method of data entry provides an alternative method of specifying AC anomalies by providing specific waveforms data points. The GUI program includes a catalog of custom waveforms, it also allows real-world waveforms captured on a digital oscilloscope to be downloaded to one of the many AC source's waveforms many access.

Arbitrary waveform capability is a flexible way of simulating the effect of real-world According line conditions in both engineering and production

iX and i Series II - AC and DC Transie



Transient List Data Entry in GUI program.

and *i* Series II controllers have a powerful AC and DC transient generation system that allows complex sequences of voltage, frequency and waveshapes to be generated. This further enhances the *i/iX's* capability to simulate AC line conditions or DC disturbances. When combined with the multi phase arbitrary waveform capabilities, the AC and DC output possibilities are truly exceptional. In three phase *i/iX* system configurations, transient generation is controlled independently yet time synchronized on all three phases. Accurate phase angle control and synchronized transient list execution provide unparalleled accuracy in positioning AC output events.

Transient programming is easily accomplished from the front panel where clearly laid out menu's guide the user through the transient definition process. The front panel provides a convenient listing of the programmed transient sequence and allows for transient execution, Start, Stop, Abort and Resume operations.

User defined transient sequences can be saved to nonvolatile memory for instant recall and execution at a later time. The included Graphical User Interface program supports transient definitions using a spreadsheet-like data entry grid. A library of frequently used transient programs can be created on disk using this GUI program.

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(and i Series II - Measurement and Analysis



Measurement data for single phase (MX30/45 Display).

	ØABC ØC
FREQ = 60.0 Hz UOLT AC = 120.51 U 119.92 U CURR = 9.342 A 8.453 A POWER = 0.782 KW 0.763 KW	120.31 U 9.129 A 0.734 K

Measurement data for all three phases (MX30/45 Display).

The i/iX Series II is much more than a programmable AC and DC power source. It also incorporates an advanced digital signal processor based data acquisition system that continuously monitors all AC source and load parameters. This data acquisition system forms the basis for all measurement and analysis functions. These functions are accessible from the front panel and the remote control interface.

Conventional Measurements

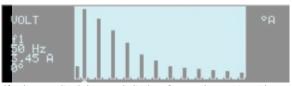
Harmonic Analysis [iX Series II only]

current is calculated from the harmonic data.

Common AC and DC measurement parameters are automatically provided by the data acquisition system on both iX and Series models. These values are displayed in numeric form on the from panel LCD display. The following measurements are available: Frequency, _{pk}, Crest Factor, Real Power (Watts), Apparent Power (VA) and Power/Factor

The iX Series II provides detaile Camplitude and phase information on up to 50 harmonics of the (unclamental voltage and current for either one or three phases. Harmonic content can be displayed in both tabular and graphical formats on the front paneMCD for in mediate feedback to the operator. Alternatively, the and add GUI program can be used to display, print and save

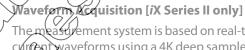
harmonic measurement data. Total harmonic distortion of both voltage and



Absolute amplitude bar graph display of current harmonics with cursor positioned at the fundamental (MX30/45 Display).

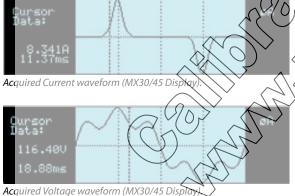


Voltage harmonic measurement table display in absolute values (MX30/45 Display).

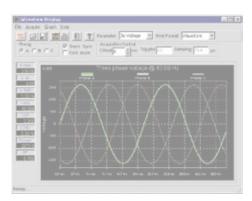


The measurement system is based on real-time digitization of the voltage and current waveforms using a 4K deep sample buffer. This time domain informa-(trok provides detailed information on both voltage and current waveshapes. Waveform acquisitions can be triggered at a specific phase angle or from a ransient program to allow precise positioning of the captured waveform with respect to the AC source output.

The front panel LCD displays captured waveforms with cursor readouts. The included GUI program also allows acquired waveform data to be displayed, printed and saved to disk.

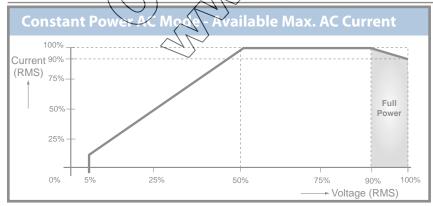


Acquired three phase voltage waveforms display on PC.



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Click here>> www.raeservices.com/services/quote.htm iX and i Series II - Specifications **Operating Modes** iX Series II: AC, DC or AC+DC i Series II: AC or DC **AC Mode Output** Frequency: $Range: 16.00-1000 \; Hz \; (Note: Voltage \; on \; 300 \; V \; range \; derates \; from \; 300 \; V \; rms \; max \; at \; 500 \; Hz \; to \; 150 \; V \; rms \; max \; at \; 1000 \; Hz; \\ See \; V-F \; rating \; chart. \; below) \; (Note: Voltage \; on \; 300 \; V \; range \; derates \; from \; 300 \; V \; rms \; max \; at \; 500 \; Hz \; to \; 150 \; V \; rms \; max \; at \; 1000 \; Hz; \\ See \; V-F \; rating \; chart. \; below) \; (Note: Voltage \; on \; 300 \; V \; rms \; max \; at \; 500 \; Hz \; to \; 150 \; V \; rms \; max \; at \; 1000 \; Hz; \\ See \; V-F \; rating \; chart. \; below) \; (Note: Voltage \; on \; 300 \; V \; rms \; rms \; at \; 1500 \; V \; rms \; rms \; at \; 1000 \; Hz; \\ See \; V-F \; rating \; chart. \; below) \; (Note: Voltage \; on \; 300 \; V \; rms \; rms \; at \; 1500 \; V \; rms \; rms \; at \; 1500 \; Hz; \\ See \; V-F \; rating \; chart. \; below) \; (Note: Voltage \; on \; 300 \; V \; rms \; rms \; at \; 1500 \; Hz; \\ See \; V-F \; rating \; chart. \; See \; V-F \; rating \; chart.$ 3001i/iX: 3000 VA, 5001i/iX: 5000 VA, 9003i/iX: 3000 VA 3ø, with mode iX: 9000 VA 1ø, 10001i/iX: 10000 VA, 15001i/iX: 15000 Total Power: VA, **15003***i*/*i*X: 5000 VA/ø 3ø, with mode *i*X: 15000 VA/ø 1ø Load Power Factor: 0 to unity at full output VA **AC Mode Voltage** Load Regulation < 0.2% V High (with ALC on): V Low Range: 500 Nz in high voltage range, Voltage Ranges: AC 0-150 V 0-300 V Load Regulation < 0.5% DC to 100 Hz, < 2.2% 100 Hz to 500 Hz in Now voltage range, < 3% 500 Hz to 1000 Hz (with ALC off): AC+DC 0-150 V 0-300 V Ine change Line Regulation: < 0.1% for 10% Output Noise (20 kHz to 1 MHz): < 250 mVrms typ., < 500 mVrms max. Harmonic Distortion (Linear): < 1% from 16 - 66 Hz, < 2% at 400 Hz, < 3% at 800 Hz (Full resisti Arequency: DC - 2 KHz DC Offset: $< 20 \, \text{mV}$ External Amplitude Modulation Deoth: 0 Isolation Voltage 300 Vrms output to chassis **AC Mode Current** 9/ 0 3001*i/i*X 5001i/iX 9961i/iX 15001i/iX Model 15003i/iX 3ø 300 V range 11.1 18.5 33.3 55.5 18.5 Steady State AC Current: 150 V range 22.2 37.0 22.2 111.0 37.0 daced voltage (See chart below) Note: Constant power mode provide 15001*i/i*X Model 3001*i*/ 9003i/iX 3ø 10001i/iX 15003i/iX 3ø 96.0 96.0 192.0 288.0 96.0 Peak Repetitive AC Current: High range 330.0 Low range 110.0 220.0 110.0 of range, 16 to 1000 Frequency: ± 0.01 % of programmed value, Current Limit: ± 0.5 % of programmed Voltage (rms): ± Programming Accuracy: value, Phase: Frequency: 0.01 Hz from 16 - 81.91 Hz, 0.1 Hz from 82.0 - 819.1 Hz, 1 Hz from 820-1000 Hz, Current Limit: Voltage (Nns): Programming Resolution: Output Relay: √ontrolled output relay 5001iX, 9003iX and 15003iX (3ø mode only) for 50 Hz fundamental Output Impedance (iX Only): Resistive: mQhm,resolution: 4 mOhm accuracy, 2 % FS Inductive: hH, resolution: 4 µH, accuracy: 2 % FS





Specifications are subject to change without notice. Specifications are warranted over an ambient temperature range of 25°±5°C. Unless otherwise noted, specifications are per phase for a sinewave with a resistive Note. load and apply after a 30 minute warm-up period. For three phase configurations, all specifications are for L-N. Phase anale specifications are valid under bala

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and i Series II - Specifications

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Measurements - Standard	d
(AC Measurements):	

Parameter	Frequency	RMS Voltage	RMS Current	Peak Current	Crest Factor	Real Power	Apparent Pwr	Pwr Factor	DC Voltage	DC Current	Power
Range	16-500 Hz	0-300 V	0-40 A	0-120 A	0.00-6.00	0-6 kW	0-6 kVA	0.00-1.00	0-300 V	0-40 A	0-6 kW
Accuracy* (±) 0.01% + 0.01 Hz	< 100 Hz	0.5 V + 0.02%	0.5 A + 0.02%	0.5 A + 0.02%	0.05	10 W + 0.1%	10 VA + 0.1%	0.01	150 mV	70 mA	15 W
0.01 HZ	100 - 500 Hz	0.1 V + 0.02%	0.1 A + 0.02%	0.1 A + 0.02%	0.05	20 W + 0.1%	20 VA + 0.1%	0.02	150 mV	70 mA	15 W
Resolution*	0.01 Hz	10 mV	1 mA	1 mA	0.01	1 W	1 VA	0.01	10 mV	1 mA	1 W

^{*} Measurement system bandwidth = DC to 48 kHz. Accuracy specifications are valid above 100 counts. Current and Power Accuracy specifications are times two for 10001i/iX /30003i/iX and times three for 15001i/iX and 9003i/iX and 15003i/iX with MODE-iX option when in single phase prode. For 10001i/iX, 15001i/iX and 30003i/ iX, resolution decreases by factor of 10, ranges for current and power increases by factor of three. PF accuracy app

Measurements - Harmon-

Parameter	Frequency Fundamental Harmonics	Phase	Voltage	Current
Range	16.00-500.0 Hz / 32.00 Hz - 48.00 kHz	0.0 - 360.0°	Fundamental Harmonics 2-50	Fundamental Narmonics 2 - 50
Accuracy* (±)	0.01% + 0.01 Hz	2° typ.	250 mV 0.1% + 250 mV+0.1% V1 kHz	50 m (0.1% + 50 mA +0.1% /1 k
Resolution	0.01 Hz	0.5°	10 mV / 10 mV	(10 m)A) 10 mA

^{*} Accuracy specifications are valid above 100 counts. Accuracy specifications are times three e mode and for 10001iX, 15001iX and 30003i/iX. 32 Hz - 16 kHz. Resolution decreases by factor of 10 for 9003iX and 15003iX with Mod

+0.1% /1 kHz

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Power (Max at full scale of 3001i/iX: 2100 W, 5001i/iX: 3500 W, 9003i/iX: 2100 W/ø 3ø, 6300 W W/ø 3ø, 10500 W/ø 1ø DC Voltage Range):

Voltage Ranges: Range: Low: 200 Vdc, High: 400 Vdc Line Regulation: < 0.1% FS or 10% line change

Output Noise:: < 250 mV rms typ., < 500 mV rms max., (20 kHz to/1 MHz)

	Model	3001 <i>i/i</i> X	5001 <i>i/i</i> X	9003iXX		9003i/iX	36×	10001 <i>i/i</i> X	15001 <i>i/i</i> X	15003i/iX 3ø
Max DC Current (Maximum current at 65% of V Range):	400V range	7.8	13	(23(4))	\preceq	7.8	'	26	39	13
carrene ac 03 % of v marige).	200V range	15.6	26	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		15.60/	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	52	78	26

Current Limit Programmable from 0 A to maxim

AC+DC Mode Output

Output Power (iX only): scale voltage, Full DC power if DC component is above 20%

Storage

storage:

Non Volatile Mem. storage: 16 instrument sy

Waveforms

Waveform Types: Clipped sine, User defined i Series II:

User defined waveform

arbitrary waveforms of 1024 points for a total of 200 (One group can be active at a time)

System Interface

Inputs: External Sync, Clock/Lock (option)

Outputs: Function Strobe, Clock/Lock (option)

Protection

Over Load: Constant Current or Constant Voltage mode

Over Temperature: Automatic shutdown

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iX and i Series				accel viol	55.0011#50	. 11000/quo	ACCOUNTED		
Remote Control									
IEEE-488 Interface:	IEEE-488 (GPIB	EE-488 (GPIB) talker listener. Subset: AH1, C0, DC1, DT1, L3, PP0, RL2, SH1, SR1, T6, IEEE-488.2 SCPI Syntax							
RS232C Interface:		pin D-shell connector, Handshake: CTS, RTS, Data bits: 7,8, Stop bits: 1, 2, Baud rate: 9600, 19200, 38400, 57600, 115200, IEEE-488.2 CPI Syntax (Supplied with RS232C cable).							
AC Input									
Voltage:		3001 and 9003: 208-240 ± 10% Vac, (L-N, 1ø), All other models: Standard: 208-240 ± 10% Vac, (L-L, 3ø), Option -400: 400-480 ± 10% Vac, (L-L, 3ø) (Input range must be specified when ordering).							
	Model	3001 <i>i/i</i> X	5001 <i>i/i</i> X	9003 <i>i/i</i> X	10001 <i>i/i</i> X	15001 <i>i/i</i> X	15003 <i>i/i</i> X		
Input Line Current (per phase):	187-264V	25 A	23 A	75 A	46 A	69 A	69 A		
	360-528V	N/A	12 A	N/A	24 A	36 A	36W		
Inrush Current per chassis:	< 100 Apk for	< 100 Apk for 100 µs at 208-240 V, < 50 Apk for 100 µs at 400-480 V							
Line Frequency:	50-60 Hz ± 10 %								
Efficiency:	75% typical	75% typical							
Power Factor:	0.6 typical								
AC Service						7(.0)	\vee (\vee)		
Regulatory:	IEC61010, EN5	0081-2, EN50	082-2, CE EN	MC and Safet	ty Mark (eq b ij	entents			
RFI Suppression:	CISPR 11, Grou	ıp1 , Class A				\mathcal{S}	(2)		
Rear Panel Connectors:	AC Input & Ou age sense tern	tput terminal ninal block, S	block with o	cover, IEEE-4 ace Connect	88 (GPIB) con :07, *R\$23 2 /DE	nector (rear o	op vell, 9 pin D-Shell RS232C connector*, Remote volt- typplied		
Physical Dimensions					705,	(6)			
Dimensions:	Height: 7" (178	mm), Width:	19" (483 mr	n), Depth: 24	4" (610 mm) (¢	ept include	s rear panel connectors)		
Weight:	per 5001 <i>i/i</i> X C	hassis: Net: 6	1 lbs / 28 Kg,	. Sprippring: 1	15 lbs / 52 kg	$\langle \rangle$			
Vibration and Shock:	Designed to m	neet NSTA pro	ject 1A tran	sportation le	evels	\supset			
Air Intake/Exhaust:	Forced air coo	ling, side air i	ntake reake	xhaust.					
Operating Humidity:	0 to 95 % RAH	, non conden	sing.		(%)				
Temperature:	Operating: 0 to	o 40° C, Stor	age: 2010)	85° C (d					



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Ordering Information

Feature Comparison

Standard controller versions with single voltage range:

Model	Output	Phase	Мах	. current	per phas	e	Input
	Power	Output	Low \	V range	High V	range	Voltage ²
	AC		AC	DC	AC	DC	
3001 <i>i/i</i> X	3 kVA	1	22	15.6	11	7.8	208-240V
5001 <i>i/i</i> X	5 kVA	1	37	26	18.5	13	208-240V
5001 <i>i/i</i> X-400	5 kVA	1	37	26	18.5	13	400-480V
9003 <i>i</i> X¹	9 kVA	3	22	15.6	11	7.8	208-240V
10001 <i>i/i</i> X¹	10 kVA	1	74	52	37	26	208-240V
10001 <i>i/i</i> X-400 ¹	10 kVA	1	74	52	37	26	400-480V
10002 <i>i/i</i> X¹	10 kVA	2	37	26	18.5	13	208-240V
10002 <i>i/i</i> X-400 ¹	10 kVA	2	37	26	18.5	13	400-480V
15001 <i>i/i</i> X¹	15 kVA	1	111	78	55.5	39	208-240V
15001 <i>i/i</i> X-400 ¹	15 kVA	1	111	78	55.5	39	400-480V
15003 <i>i/i</i> X¹	15 kVA	3	37	26	18.5	13	208-240
15003 <i>i/i</i> X-400¹	15 kVA	3	37	26	18.5	13	400 4800

Note (1): Supplied with System Interface cable(s), Controller in master unit only

Note (2): All input voltage specifications are for Line to Line three phase except 3001iX and 9003iX which require single

Note (3): For 10002iX split phase system specifications, refer to 5001iX for each phase.

Refer to table shown for model numbers and configurations.

Supplied with

User Manual, Programming Manual, Software (all on CD ROM) and RS232C serial cable.

Options	
-160	RTCA/DO-160D and EUROCAE test firmware. Refer to -160 option data sheet for details.
-400	400-480 Volt Line to Line Acin-
-4 11	IEC61000-4-11 test firmware. See also EOS1/3.
-4 13	IEC61000-4-13 Harmorius and Interharmonics (test fry hware.
-704	Mil Std 7040/E test firmware Refer to -704 option data sheet for details.
-E OS-1	IEC61000-4-11 Electronic Output Switch (1 phase) Includes -411 option. Refer to EOS data sheet for details.

-EOS-3 IEC61000-4-11 Electronic Output Switch (3 phase) Includes -411 option. Refer to EOS data sheet for details.

-LKM Clock/Lock Master -LKS Clock/Lock Auxiliary -LNS

-ABD

-MODE-iX

Internal AC Line Sync

Switches between 1 and 3 output modes for 9003

matching network for OMNI-1-18 i Impedan &√5001i/iX 1000-3-3 flicker pedance matching network for

three (phase 9003iX or 15003i/iX systems to support IEC-1000-3-3 lickentests.

(mpedance matching network for three phase 30003i/iX systems o support IEC-1000-3-3 flicker tests

Rackmount Slides.

Watt-Hour Measurement option. External AC Line Sync adaptor. (-LNS and XLS are mutually exclu-

Airbus Directive 0100.1.8 tests. -B787 Boeina 787B3-0147 tests. Cabinets

Multi box iX Series II systems can be factory installed and wired in 19 inch cabinets. Cabinet configurations can be ordered by preceeding the model number with a "C1-C4" prefix. Contact factory for pricing and details.

AC mode Χ Χ DC mode Χ Χ AC+DC mode Χ Transient programming Χ Χ Arbitrary Χ Χ rm@mic asurement Χ acquisition Χ Programmable Propedance Χ Œ∕/ RS232 Χ Χ



For lower power needs, inquire about the Compact iX. The Compact iX features a spacesaving 2U rackmountable chasis in both 750 VA and 1500 VA configurations.

Combination AC and DC Power Source and Power Analyzer

Replace multiple instruments with a single multifunction unit

Single & Three Phase Operation

Maximum output of 750VA per phase

750 VA to 2250 VA of Output Power Cost effective power source

Arbitrary Waveform Generation

User defined voltage waveform and distortion programming (C-iX Series)

Built-in Digital Power Analyzer

Analyze frequency and time domain of both voltage and current (C-iX Series)

Rackmountable

Space-saving rackmount chassis

Scope Capture Capability

Built in voltage and current waveform acquisition capability (C-iX Series)

Powerful Programing Software

Powerful, yet easy to use, instrument control software included (Avionics test software also available)

Constant Power Mode

Provides increased current at reduced voltage to maximize efficiency

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