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TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- high - quality
- moderate prices
- excellent precision

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Technical support, services, demo & rental equipment, price information
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IT7300 Specifications

Model		IT7322	IT7322H	IT7324H
INPUT				
Phase		1	1	1
Voltage		220Vac±10% or 110Vac±10%	220Vac±10% or 110Vac±10%	220Vac±10% or 110Vac±10%
Frequency		47~63Hz	47~63Hz	47~63Hz
Max current		15A(220Vac) or 30A(110Vac)	20A(220Vac) or 40A(110Vac)	30A(220Vac) or 60A(110Vac)
Power factor		0.7(typical)	0.7(typical)	0.7(typical)
AC OUTPUT				
Max power		750VA	750VA	1500VA
Max current (rms)		6A	0~250V 3A	6A
		3A	0~500V 1.5A	3A
Max current (peak)		18A	0~250V 9A	18A
		9A	0~500V 4.5A	9A
Phase		1Φ/2W	1Φ/3W	1Φ/2W
Total harmonic distortion (T.H.D)		≤0.5% at 45-500Hz (Resistive Load)	≤1% at 45-500Hz (Resistive Load)	≤1% at 45-500Hz (Resistive Load)
Crest factor		3	3	3
Power regulation		0.1% max for a ±10% line change	0.1% max for a ±10% line change	0.1% max for a ±10% line change
Load regulation		≤0.5%FS(Resistive Load)	≤0.5%FS(Resistive Load)	≤0.5%FS(Resistive Load)
Response time		<100uS	<100uS	<100uS
SETTING				
Voltage	Range	0~300V High, 150/300V Auto	0~500V High, 250/500V Auto	0~500V High, 250/500V Auto
	Resolution	0.1V	0.1V	0.1V
	Accuracy	±(0.2%+0.6V)	±(0.2%+1.2V)	±(0.2%+1.2V)
	Temperature Coefficient	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)
Frequency	Range	45~500Hz	45~500Hz	45~500Hz
	Resolution	0.1Hz at 45-99.9Hz 1Hz at 100-500Hz	0.1Hz at 45-99.9Hz 1Hz at 100-500Hz	0.1Hz at 45-99.9Hz 1Hz at 100-500Hz
	Accuracy	0.1Hz	0.1Hz	0.1Hz
	Range	0~360°	0~360°	0~360°
Phase angle	Resolution	0.1°	0.1°	0.1°
	Accuracy	±1°(45-65Hz)	±1°(45-65Hz)	±1°(45-65Hz)
MEASUREMENT				
Voltage(rms)	Range	0~300V	0~500V	0~500V
	Resolution	0.1V	0.1V	0.1V
	Accuracy	±(0.2%+0.6V)	±(0.2%+1.2V)	±(0.2%+1.2V)
	Temperature Coefficient	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)
Current(rms)	Range	L:120.0mA * M:1.200A * H:6.00A *	L:120.0mA * M:1.200A * H:3.00A *	L:120.0mA * M:1.200A * H:6.00A *
	Resolution	L:0.1mA M:1mA H:10mA	L:0.1mA M:1mA H:10mA	L:0.1mA M:1mA H:10mA
	Accuracy	L:±(0.2%+0.6mA) M:±(0.2%+6mA) H:±(0.2%+60mA)	L:±(0.2%+0.6mA) M:±(0.2%+6mA) H:±(0.2%+40mA)	L:±(0.2%+0.6mA) M:±(0.2%+6mA) H:±(0.2%+60mA)
	Temperature Coefficient	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)
Current (peak)	Range	0~18A	0~9A	0~24A
	Resolution	0.01A	0.01A	0.01A
	Accuracy	±(1%+0.36A)	±(1%+0.36A)	±(1%+0.36A)
	Temperature Coefficient	±(0.05% per degree from 25°C)	±(0.05% per degree from 25°C)	±(0.05% per degree from 25°C)
Power	Range	L:0.01W M:0.1W H:1W	L:0.01W M:0.1W H:1W	L:0.01W M:0.1W H:1W
	Resolution	L:±(0.2%+0.2W) (47HZ-65HZ)	L:±(0.2%+0.2W) (47HZ-65HZ)	L:±(0.2%+0.2W) (47HZ-65HZ)
	Accuracy	M:±(0.2%+2W) (47HZ-65HZ)	M:±(0.2%+2W) (47HZ-65HZ)	M:±(0.2%+2W) (47HZ-65HZ)
	Temperature Coefficient	H:±(0.2%+6W) (47HZ-65HZ)	H:±(0.2%+6W) (47HZ-65HZ)	H:±(0.2%+10W) (47HZ-65HZ)
GENERAL				
Memory storage		10 memories	10 memories	10 memories
Synchronous output signal		Output Signal 5V,BNC type	Output Signal 5V,BNC type	Output Signal 5V,BNC type
Interface		LAN,USB,RS232*	LAN,USB,RS232*	LAN,USB,RS232*
Operating environment		0~40°C/20-80%RH	0~40°C/20-80%RH	0~40°C/20-80%RH
Size		19" 3U	19" 3U	19" 3U
Weight		37Kg	37Kg	37Kg

* This information is subject to change without notice

* For any GPIB interface option request , check with ITECH for availability

IT7300 Programmable AC Power Supply

IT7300 Specifications

Model		IT7324	IT7326H	IT7326
INPUT				
Phase		1	1	1
Voltage		220Vac±10% or 110Vac±10%	220Vac±10%	220Vac±10%
Frequency		47~63Hz	47~63Hz	47~63Hz
Max current		30A(220Vac) or 60A(110Vac)	60A	60A
Power factor		0.7(typical)	0.7(typical)	0.7(typical)
AC OUTPUT				
Max power		1500VA	3000VA	3000VA
Max current		12A	12A	24A
(rms)		6A	6A	12A
Max current		36A	36A	72A
(peak)		18A	18A	36A
Phase		1Φ/2W	1Φ/2W	1Φ/2W
Total harmonic distortion (THD)		≤0.5% at 45-500Hz (Resistive Load)	≤1% at 45-500Hz (Resistive Load)	≤0.5% at 45-500Hz (Resistive Load)
Crest factor		3	3	3
Power regulation		0.1% max for a ±10% line change	0.1% max for a ±10% line change	0.1% max for a ±10% line change
Load regulation		≤0.5%FS(Resistive Load)	≤0.5%FS(Resistive Load)	≤0.5%FS(Resistive Load)
Response time		<100us	<100us	<100us
SETTING				
Voltage	Range	0~300V High, 150/300V Auto	0~500V High, 250/500V Auto	0~300V High, 150/300V Auto
	Resolution	0.1V	0.1V	0.1V
	Accuracy	±(0.2%+0.6V)	±(0.2%+1.2V)	±(0.2%+0.6V)
Frequency	Temperature Coefficient	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)
	Range	45-500Hz	45-500Hz	45-500Hz
	Resolution	0.1Hz at 45-99.9Hz 1Hz at 100-500Hz	0.1Hz at 45-99.9Hz 1Hz at 100-500Hz	0.1Hz at 45-99.9Hz 1Hz at 100-500Hz
Phase angle	Accuracy	0.1Hz	0.1Hz	0.1Hz
	Range	0~360°	0~360°	0~360°
	Resolution	0.1°	0.1°	0.1°
Accuracy	Accuracy	±1°(45-65Hz)	±1°(45-65Hz)	±1°(45-65Hz)
MEASUREMENT				
Voltage(rms)	Range	0~300V	0~500V	0~300V
	Resolution	0.1V	0.1V	0.1V
	Accuracy	±(0.2%+0.6V)	±(0.2%+1.2V)	±(0.2%+0.6V)
Current(rms)	Temperature Coefficient	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)
	Range	L:120.0mA * M:1.200A * H:12.00A *	L:120.0mA * M:1.200A * H:12.00A *	L:120.0mA * L:120.0mA * H:24.00A *
	Resolution	L:0.1mA M:1mA H:10mA	L:0.1mA M:1mA H:10mA	L:0.1mA M:1mA H:10mA
Current(peak)	Accuracy	L:±(0.2%+0.6mA) M:±(0.2%+6mA)	L:±(0.2%+0.6mA) M:±(0.2%+6mA)	L:±(0.2%+0.6mA) M:±(0.2%+6mA)
	Temperature Coefficient	H:±(0.2%+80mA)	H:±(0.2%+60mA)	H:±(0.2%+0.1A)
	Accuracy	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)	±(0.04% per degree from 25°C)
Power	Range	0~48A	0~48A	0~96A
	Resolution	0.01A	0.01A	0.01A
	Accuracy	±(1%+0.36A)	±(1%+0.36A)	±(1%+0.36A)
Accuracy	Temperature Coefficient	±(0.05% per degree from 25°C)	±(0.05% per degree from 25°C)	±(0.05% per degree from 25°C)
	Resolution	L:0.01W M:0.1W H:1W	L:0.01W M:0.1W H:1W	L:0.01W M:0.1W H:1W
	Accuracy	L:±(0.2%+0.2W) (47Hz-65Hz)	L:±(0.2%+0.2W) (47Hz-65Hz)	L:±(0.2%+0.2W) (47Hz-65Hz)
Temperature Coefficient	M:±(0.2%+2W) (47Hz-65Hz)	M:±(0.2%+2W) (47Hz-65Hz)	M:±(0.2%+2W) (47Hz-65Hz)	M:±(0.2%+2W) (47Hz-65Hz)
	H:±(0.2%+10W) (47Hz-65Hz)	H:±(0.2%+10W) (47Hz-65Hz)	H:±(0.2%+10W) (47Hz-65Hz)	H:±(0.2%+15W) (47Hz-65Hz)
	Accuracy	±(0.05% per degree from 25°C)	±(0.05% per degree from 25°C)	±(0.05% per degree from 25°C)
GENERAL				
Memory storage		10 memories	10 memories	10 memories
Synchronous output signal		Output Signal 5V,BNC type	Output Signal 5V,BNC type	Output Signal 5V,BNC type
Interface (optional)		LAN,USB,RS232*	LAN,USB,RS232*	LAN,USB,RS232*
Operating environment		0~40°C/20-80%RH	0~40°C/20-80%RH	0~40°C/20-80%RH
Size		1/2 19" 3U	19" 6U	19" 6U
Weight		48kg	103kg	103kg

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IT7326 Dimension figure

