HIGH ACCURACY SERIES HIGH ACCURACY LABORATORY EQUIPMENT











	Digital Multimeter		
	HA-DMA512	HA-DMA612	
Measuring quantity	d.c. voltage and current, a.c. voltage and current, resistance, capacity, frequency, temperature		
Additional measuring functions	reading range, auto range, diode test, continuity, null, tigger, save/read, math		
Safety	IEC61010-1: 2010, CAT I 1000V/CAT II 600V, Pollution level: 2		
Interface	USB, RS-232		
Power supply	115 V/230 V (1±10%), 50 Hz/60 Hz, 15 VA	
Dimensions & weight	$260 \times 106 \times 33$	75 mm, 3.0 kg	
Additional functions	• True digits 5½ (HA-DMA • Reading rates up to 1 • True RMS measurement • Built-in ma	th high-brightness 1512) and 6½ (HA-DMA612). 000 readings per second. t of AC voltage and current. ath operations. Ins to meet user's test need.	





	Programmable DC power supply	
	HA-PSA3515	
Output range	35 V / 15 A	
Output power	500 W	
Resolution	1 mV/1 mA	
Accuracy	voltage: $\leq \pm$ (0.05% + 10 mV) current: $\leq \pm$ (0.2% + 50 mA) OVP: $\leq \pm$ (0.5% + 0.5 V)	
Interface	RS-232	
Power supply	AC 115-230 V (1±10%)V, 50 (1±5%) Hz	
Dimensions & weight	425×150×465 mm, 20 kg	
Additional functions	 All digital controlled, output 1mV/1mA step. High stability, low drift. LED display the voltage/current and working status visually. Intelligent temperature controlled fun with low noise. Storage and recall function. OVP (Over Voltage Protection) function. Keypad locked function to avoid the misoperation. 	

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		Synthesized Signal Generator	
		HA-GFA005	
СНА			
Frequency range		sine: 1 µHz 500 MHz square: 1 µHz 80 MHz	
	≤ 500 MHz	-127 dBm +13 dBm(-127 dBm117 dBm typ.)	
Sine output level	≤ 1000 MHz	-110 dBm +13 dBm(-100 dBm110 dBm typ.)	
	≤ 1500 MHz	-105 Bm +10 dBm(-100 dBm105 dBm typ.)	
Modulation type		AM,FM, FSK, PSK	
СНВ			
Frequency range		1 μHz 10 MHz	
Waveform type		Sine, Square, Ramp, Pulse, Sinc, Exp, Noise, DC	
Output amplitude		1 mVpp 10 Vpp(50 Ω), 2 mVpp 20 Vpp (High Z)	
GENERAL CHARACTERISTICS			
Interface		USB, RS-232	
Power supply		100 V a.c 240 V, 50(1±10%)Hz, <40 VA	
Dimensions & weight		$254 \times 103 \times 374$ mm; 4.2 kg	
Additional functions	 Perfect combination of DDS and PLL techniques. Frequency upper limits to 500 MHz. Higher level of frequency accuracy, up to 1 ppm. Communication interfaces: USB, RS-232. 4 built-in fixed arbitrary waveforms: Exp, Sinc, Noise, DC. Sweep and Burst function. 		

ORDERING CODES



HA-GFA005 ordering co	_	_	
HA-GFA00	5- XX	X	X
Version:			
standard	00		
custom-made*	XX		
Language:		_	
polish		Р	
english		Ε	
other*		Χ	
Acceptance test:			
with an quality inspection certificate			1
with test certificate			2
acc. to customers request			Χ

HA-PSA3515 ordering code:					
HA-PSA3515 -	ХХ	Х	χ		
Version:					
standard	00				
custom-made*	XX				
Language:					
polish		Р			
english		Ε			
other*		Χ			
Acceptance test:					
with an quality inspection certificate			1		
with test certificate			2		
acc. to customers request			Χ		

^{* -} after agreeing with the manufacturer

