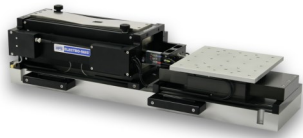


APS Long Stroke Shaker ELECTRO-SEIS®

with Air Bearing and Load Mounting Table

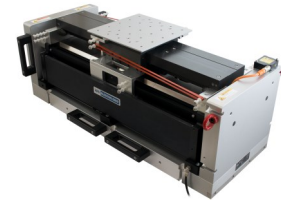
Overview 1/2



APS 129



APS 500



APS 600

Applications

- Seismic simulation for components
- Calibration and test for seismic instruments
- Sensor characterization

Range of Use

- Departments for the supervision of measuring instruments in research, industry, automotive, aviation, space, military
- Test and calibration laboratories

Features

- Long stroke shaker for sine wave, swept sine wave, random or impulse force waveforms
- Mounting table for high payloads
- Low noise vibration by means of air bearing guidance and support

Specifications

	APS 129	APS 129-HF Increased Force	APS 500	APS 600
Force (Sine Peak)	133 N (30 lbf)	186 N (42 lbf)	95 N (21 lbf)	215 N (48 lbf)
Stroke (Peak - Peak)	158 mm (6.25 inch)		152 mm (6.0 inch)	400 mm (15.7 inch)
Frequency Range	DC ... 200 Hz			DC ... 100 Hz
Operation	horizontal or vertical			
Armature Weight	8.5 kg (18.7 lb)		1.5 kg (3.3 lb)	9.3 kg (20.5 lb)
Max. Payload	Horizontal	23.0 kg (50.7 lb)	3.0 kg (6.6 lb)	25 kg (55 lb)
	Vertical	11.0 kg (24.3 lb)	1.3 kg (2.9 lb)	8 kg (18 lb)
DC Coil Resistance	4.4 or 1.1 Ω	1.4 Ω	1.2 Ω	1.7 Ω
Air Pressure Required	4 bar ... 5 bar (60 psig ... 70 psig)			2 bar ... 3 bar (30 psig ... 45 psig)
Air Flow Required	650 l/h (0.4 cfm)			
Total Shaker Weight	79.0 kg (174.2 lb)		64.0 kg (141.1 lb)	250 kg (550 lb)
Overall Dimension L x W x H	889 x 219 x 216 mm (35 x 8.6 x 8.5 inch)		813 x 219 x 210 mm (32 x 8.6 x 8.3 inch)	905 x 440 x 360 mm (35.6 x 17.4 x 14.2 inch)
Load Table Size L x W	254 x 254 mm (10 x 10 inch)		79.5 x 79.5 mm (3.1 x 3.1 inch)	254 x 254 mm (10 x 10 inch)

Accessories (optional)

	APS 129	APS 129-HF	APS 500	APS 600
Power Amplifier	APS 125			
System Cables for Connection Shaker to Amplifier	APS 0082-6E			
Zero Position Controller for Vibration Exciters	APS 0109			
Vertical Mounting Kit / Vertical Operation Kit	APS 1291		APS 5002	-

Additional accessories available

APS Long Stroke Shaker ELECTRO-SEIS®

with Air Bearing

Overview 2/2



APS 113-AB



APS 113 AB-LA

Applications

- Seismic simulation for components
- Calibration and test for seismic instruments
- Sensor characterization

Range of Use

- Departments for the supervision of measuring instruments in research, industry, automotive, aviation, space, military
- Test and calibration laboratories

Features

- Long stroke shaker for sine wave, swept sine wave, random or impulse force waveforms
- Low noise vibration by means of air bearing guidance and support

Specifications

	APS 113-AB	APS 113-AB-HF Increased Force	APS 113-AB-LA Lightweight Armature
Force (Sine Peak)	133 N (30 lbf)	186 N (42 lbf)	95 N (21 lbf)
Stroke (Peak - Peak)	158 mm (6.25 inch)		
Frequency Range	DC ... 200 Hz		DC ... 400 Hz
Operation	horizontal or vertical		
Armature Weight	2.7 kg (5.8 lb)		0.95 kg (2.1 lb)
Max. Overhung Load at Armature Attachment Point	1.5 kg (3.3 lb)		1.0 kg (2.2 lb)
Impedance	4.4 or 1.1 Ω	1.4 Ω	1.2 Ω
Air Pressure Required	4 bar ... 5 bar (60 psig ... 70 psig)		
Air Flow Required	500 l/h (0.3 cfm)		
Air Quality	ISO 8573.1 Class 3		
Total Shaker Weight	36.0 kg (80 lb)		34.0 kg (75 lb)
Overall Dimension L x W x H	526 x 213 x 168 mm (20.7 x 8.4 x 6.6 inch)		

Accessories (optional)

	APS 113-AB	APS 113-AB-HF	APS 113-AB-LA
Power Amplifier	APS 125		
System Cables for Connection Shaker to Amplifier	APS 0082-6E		
Zero Position Controller for Vibration Exciters	APS 0109		
Vertical Mounting Kit / Vertical Operation Kit	APS 0162		

Additional accessories available

All data are subject to change without notice

January 2018