

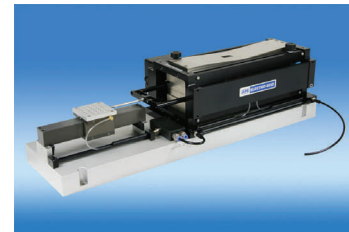
# APS Long Stroke Shaker ELECTRO-SEIS®

with Air Bearing Load Mounting Table

Overview 1/2



**APS 129**



**APS 500**

## 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 High Force	APS 500
Force (Sine Peak)	133 N (30 lbf)	186 N (42 lbf)	95 N (21 lbf)
Stroke (Peak - Peak)	158 mm (6.25 inch)		152 mm (6.0 inch)
Frequency Range	DC ... 200 Hz		
Operation	horizontal or vertical		
Armature Weight	8.5 kg (18.7 lb)		1.5 kg (3.3 lb)
Max. Payload	Horizontal	23.0 kg (50.7 lb)	
	Vertical	11.0 kg (24.3 lb)	
Impedance	4.4 or 1.1 Ω	1.4 Ω	1.2 Ω
Air Pressure Required	4 bar ... 6 bar (60 psig ... 90 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)
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)
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)

## Accessories (optional)

	APS 129	APS 129-HF	APS 500
Power Amplifier	APS 125	APS 125, APS 145	
Vertical Mounting Kit / Vertical Operation Kit	APS 1291		APS 5002
System Cables for Connection Shaker to Amplifier	APS 0082-6E		
Zero Position Controller for Vibration Exciters	APS 0109		

Additional accessories available

# APS Long Stroke Shaker ELECTRO-SEIS®

with Air Bearings

Overview 2/2



APS 113-AB

## 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 High 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 ... 6 bar (60 psig ... 90 psig)		
Air Flow Required	500 l/h (0.3 cfm)		
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	APS 125, APS 145	
Vertical Mounting Kit / Vertical Operation Kit	APS 0162		
System Cables for Connection Shaker to Amplifier	APS 0082-6D		APS 0082-6E
Zero Position Controller for Vibration Exciters	APS 0109		

Additional accessories available

All data are subject to change without notice

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